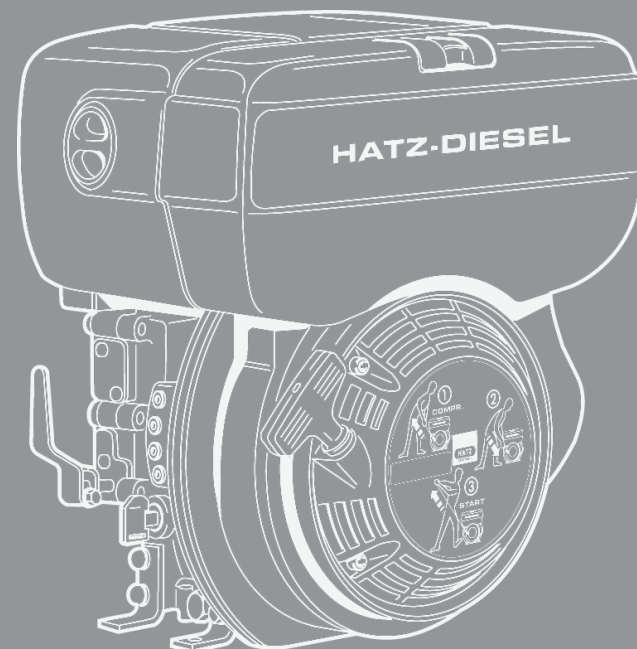


Motorenfabrik Hatz GmbH & Co. KG

Ernst-Hatz-Str. 16
94099 Ruhstorf a.d. Rott
Deutschland
Tel. +49 8531 319-0
Fax +49 8531 319-418
marketing@hatz-diesel.de
www.hatz-diesel.com

CREATING POWER SOLUTIONS.



1B20. | 1B20R. | 1B27. | 1B30.

Original - spare parts
Original - Ersatzteile
Pièces de rechange d'origine
Repuestos originales
Pezzi di ricambio originali

Hatz Service

0000 434 800 45
34 - 05.2019 - 4.0

Printed in Germany

We reserve the right to make all
changes that serve technical
development.



CREATING POWER SOLUTIONS.

www.HATZ-DIESEL.com



Original - spare parts
Original - Ersatzteile
Pièces de rechange d'origine
Repuestos originales
Pezzi di ricambio originali

①	TYPE / SPEC. / FDT
②	SERIAL NO.
③	MIN ⁻¹

Nearest HATZ service station:

Nächste HATZ-Servicestelle:

Station-service HATZ la plus proche:

Servicio HATZ más cercano:

Più vicino centro di servizio HATZ: www.hatz-diesel.com

EMISSION CONTROL INFORMATION	
MOTORENFABRIK HATZ KG · D-94099 RUHSTORF	
ENG.FAM.	MADE IN GERMANY
TYPE / SPEC. / FDT	
①	
SERIAL NO.	Liter / PV
②	
MIN ⁻¹	NH / kW
③	BUILD DATE
This engine conforms to ☐ U.S. EPA regulations large nominal compression-ignition engines and ☐ California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments.	
EC-TYPE NO.	
④	
CONSTANT-SPEED ONLY ☐ VARIABLE SPEED ☐	

Spare parts list no./ Ersatzteilliste Nr./ Liste des pièces de rechange no./ Lista de repuestos No./ Lista ricambi n.

1 B 20.34 EPA IV final | EU V □ (100 34)

1 B 20R.13 EPA IV final | EU V □ (144 13)

1 B 27.14 EPA IV final | EU V □ (125 14)

1 B 30.29 EPA IV final | EU V □ (101 29)

1 B 30.29 EPA IV final DOC | EU V □ (174 29)

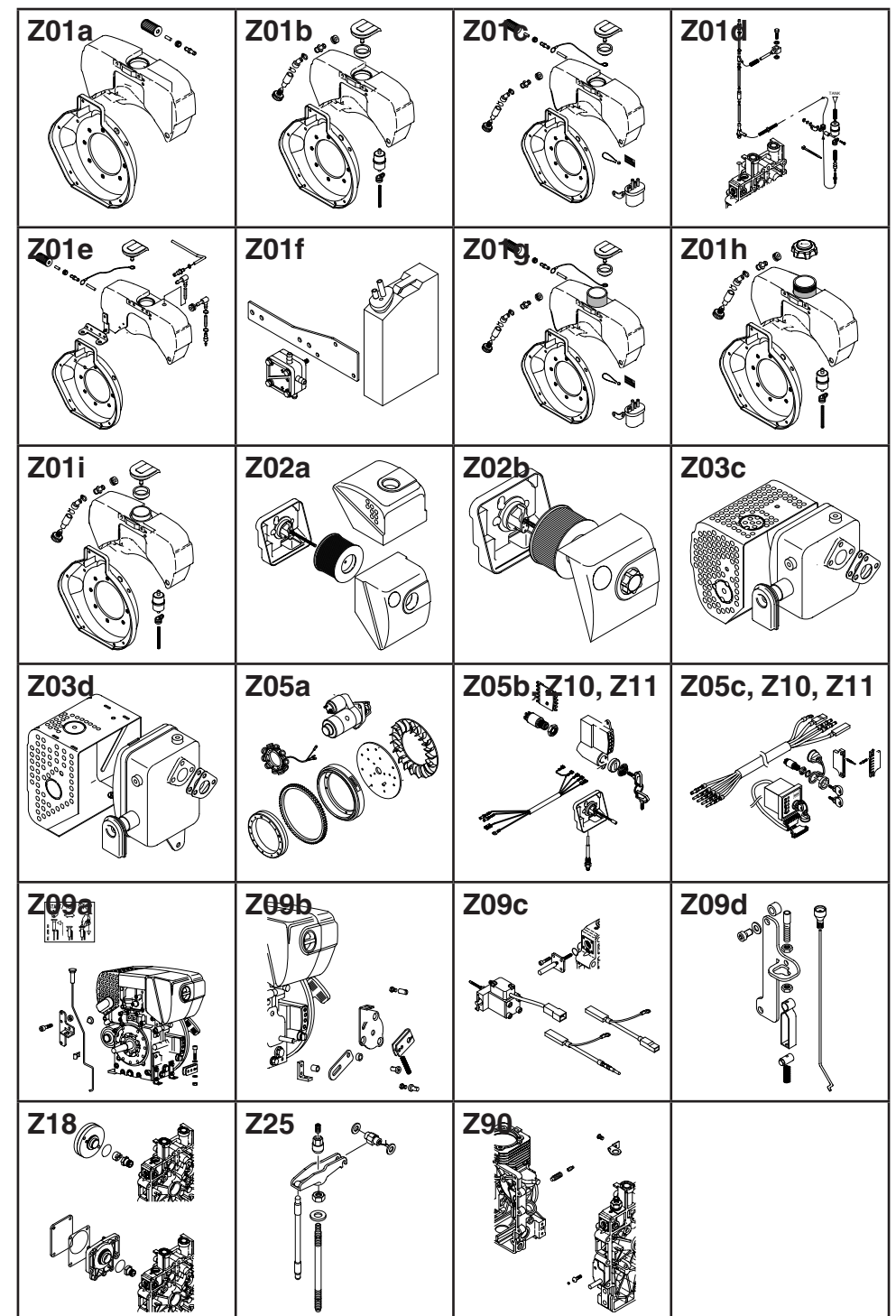
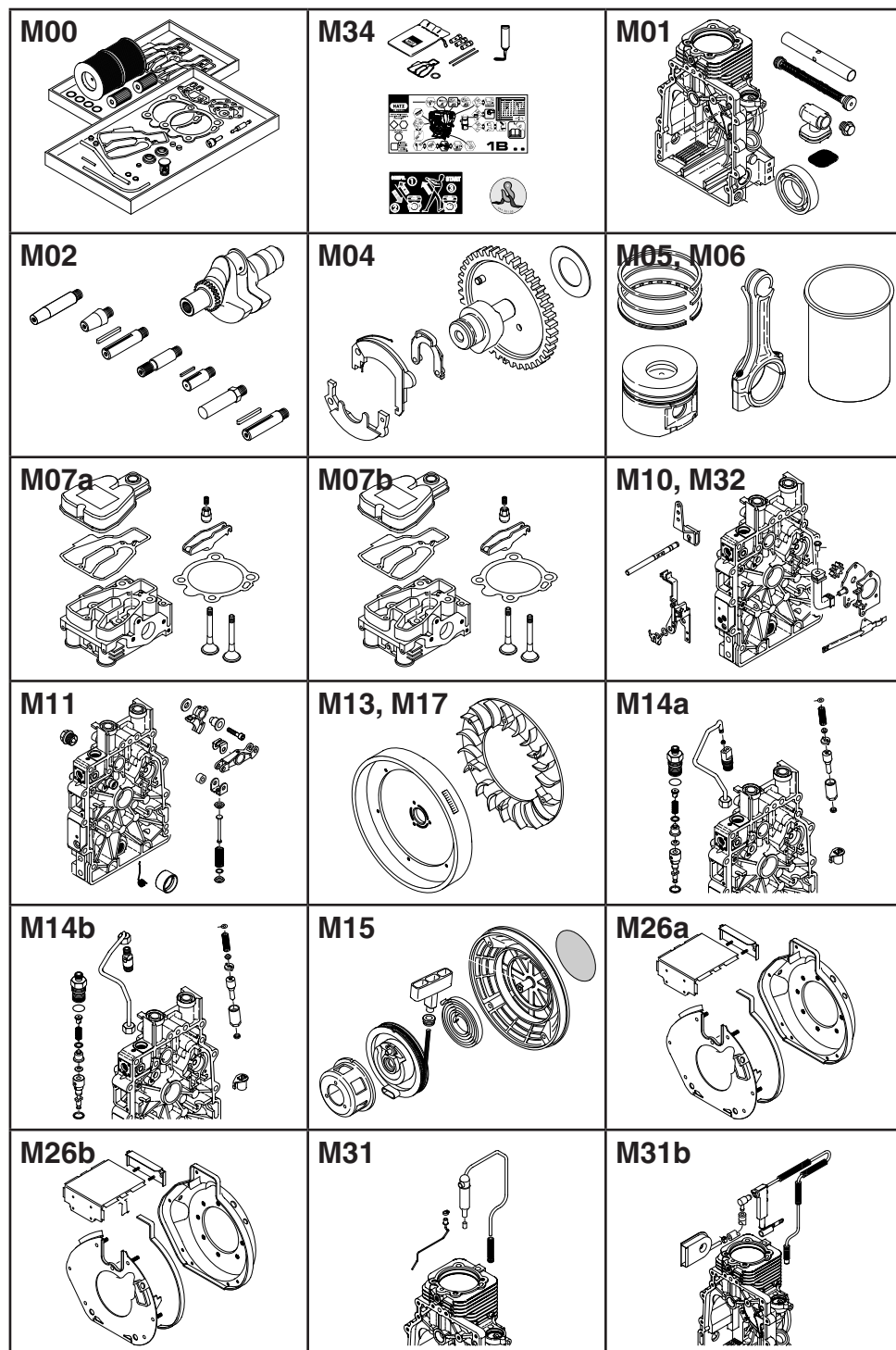
Example: / Beispiel: / Exemple: / Esempio: **100 34 19 123456**

Engine type No. | Engine series | Prod. year | Consecutively number

Always have service work performed by qualified specialists. To this effect, we recommend that you consult one of the 500 **HATZ service stations**. There, your engine is repaired by staff who constantly undergo training and who use both **original HATZ spare parts** and **HATZ tools**. The installation of inappropriate spare parts may cause problems. We cannot accept any liability for damage or consequential damage resulting therefrom. Thus, we recommend that you use **original HATZ spare parts**. These parts are manufactured following the strict **HATZ** specifications and ensure, thanks to their perfect fit and function, maximum operating reliability.

Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt. Der Einbau von ungeeigneten Ersatzteilen kann zu Problemen führen. Für Schäden oder Folgeschäden, die daraus entstehen, können wir keine Haftung übernehmen. Wir empfehlen deshalb die Verwendung von **Original HATZ-Ersatzteilen**. Diese Teile sind nach den strengen **HATZ**-Spezifikationen gefertigt und sorgen durch ihre perfekte Passform und Funktion für höchste Betriebssicherheit.

Toujours faire effectuer les travaux de service après-vente par un personnel qualifié. Nous vous conseillons de contacter un des 500 **ateliers agréés HATZ**. Votre moteur y sera réparé par un personnel formé régulièrement et utilisant des **pièces de rechange d'origine HATZ** et **l'outillage HATZ**. Le montage de pièces de rechange adaptables peut entraîner des problèmes. Nous n'assumons aucune responsabilité pour des dommages directs ou indirects qui en découlent. Pour cette raison, nous vous recommandons l'utilisation des **pièces de rechange d'origine HATZ**. Ces pièces sont usinées selon les spécifications sévères **HATZ** et grâce à l'adaptation et le fonctionnement parfaits elles garantissent un maximum de sécurité de fonctionnement.



Spare parts kits
Ersatzteilsätze
Jeux de pièces de rechange
Juegos de piezas de recambios
Serie guarnizioni

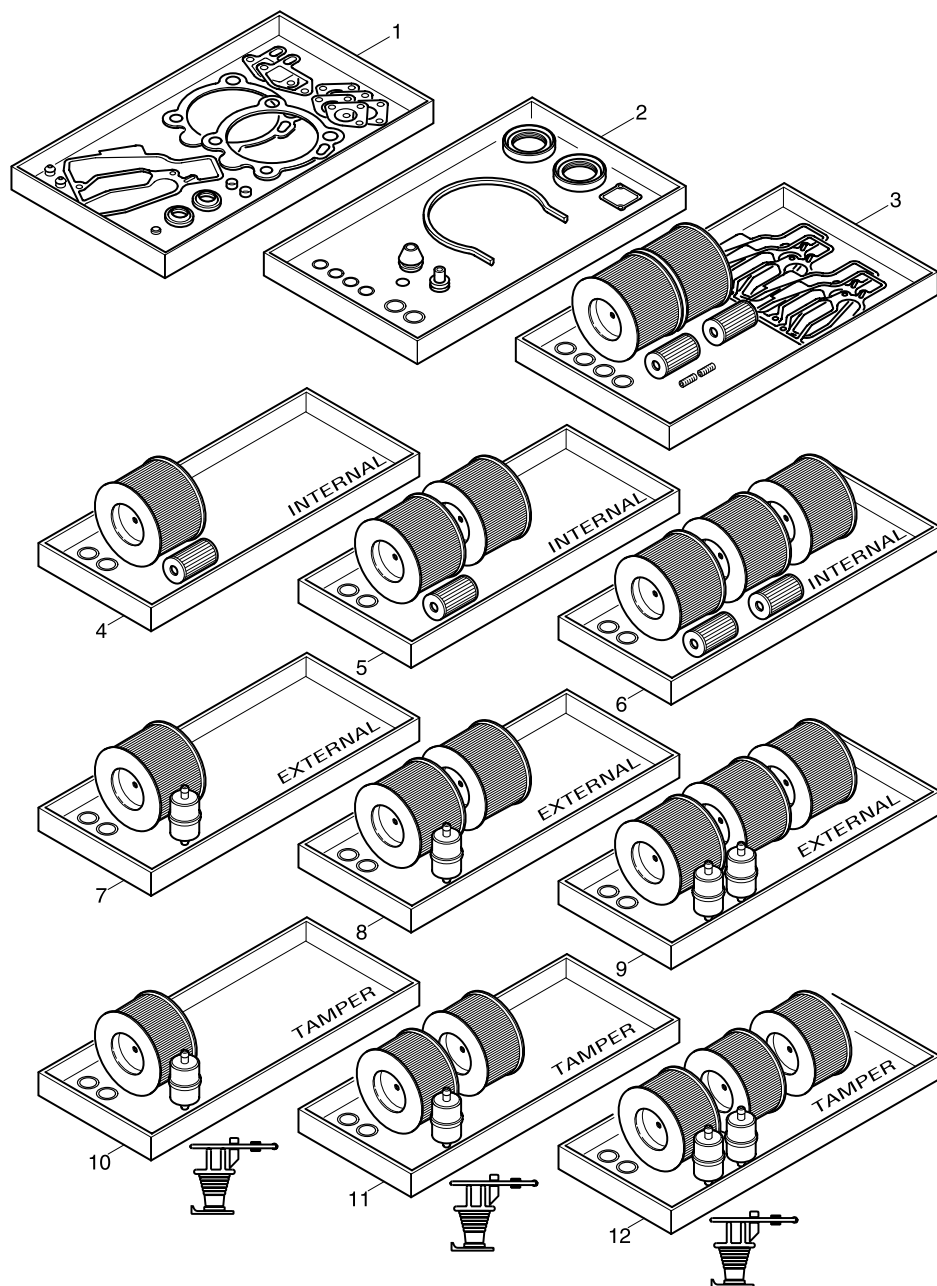


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen		
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV	
W:	Incl. in maintenance kit. Im Wartungssatz enthalten. Contenu dans le jeu d'entretien. Incluido en el juego de mantenimiento. Contenuto nella serie manutenzione.				D:	Incl. in gasket set crankcase. Im Dichtungssatz Kurbelgeh. Contenu dans le jeu de joints carter moteur. Incluido en el juego de juntas caja cigueñal. Contenuto nella serie guarnizioni basamento.
d:	Incl. in gasket set f. 1 cyl. head. Im Dichtungssatz f. 1 Zyl.-Kopf enthalten. Contenu dans le jeu de joint p. 1 culasse. Incluido en el juego de juntas p. 1 culata. Contenuto nella serie guarnizioni p. 1 testa.					1: Qty. per kit - Anzahl pro Satz Quantite p. jeu - Cantidad p. juego Quantità per serie
1	0000 015 541 01	1	1	-	-	Gasket set for 1 cyl. head
1	0000 019 802 02	-	-	1	-	Dichtungssatz für 1 Zylinderkopf
1	0000 015 822 11	-	-	-	1	Jeu de joint p. 1 culasse Juego de juntas para 1 culata Serie guarnizio per 1 testa
2	0000 015 542 04	1	1	1	-	Gasket set for crankcase
2	0000 015 823 05	-	-	-	1	Dichtungssatz für Kurbelgehäuse Jeu de joints p. carter moteur Juego de juntas para caja cigueñal Serie guarnizioni basamento
3	0000 015 543 10	1	1	1	-	1000 hours maintenance kit
3	0000 015 824 20	-	-	-	1	Wartungssatz für 1000 h Kit d'entretien 1000 heures - Juego de piezas para servicio 1000 horas Kit di manutenzione a 1000 ore
4	0000 022 654 00	1	1	1	1	Filter program "INTERNAL"
5	0000 022 679 00	1	1	1	1	Filterprogramm "INTERN"
6	0000 022 690 00	1	1	1	1	Progr. de filtr. "INTERNE" Progr. de filtros "INTERN." Programma di filtro "INTERNO"
7	0000 022 655 00	1	1	1	1	Filter program "EXTERNAL"
8	0000 022 680 00	1	1	1	1	Filterprogramm "EXTERN"
9	0000 022 691 00	1	1	1	1	Progr. de filtr. "EXTERNE" Progr. de filtros "EXTERNO" Programma di filtro "ESTERNO"
10	0000 022 677 00	1	1	-	-	Filter program "RAMMER"
11	0000 022 681 00	1	1	-	-	Filterprogramm "STAMPFER"
12	0000 022 692 00	1	1	-	-	Progr. de filtr."PILONNEUSE" Progr. de filtros "PISON" Prog. di filtro "MAZZAPICCHIO"

Accessories
Zubehör
Accessoires
Accessorios
Kit accessori

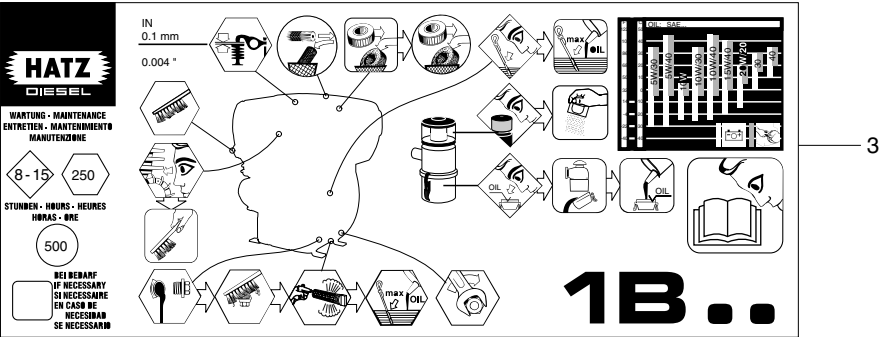
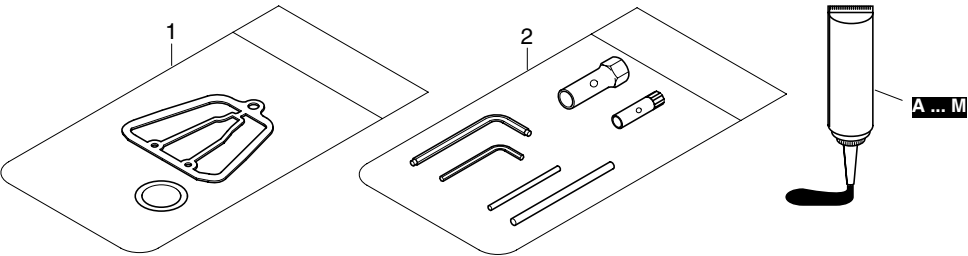


Fig.- No.	HATZ Ident-No.	Qty. Stück		W d / D	Notes Bemerkungen	
		1B20 EPA TIER IV Serial No. 10034 ...	1B20R EPA TIER IV Serial No. 14413 ...	1B27 EPA TIER IV Serial No. 12514 ...	1B30 EPA TIER IV DOC Serial No. 10129 ...	
1	0000 013 310 02	1	1	1	-	Zubehörsatz - Accessoires kit
1	0000 015 787 10	-	-	-	1	1
2	0000 013 309 01	1	1	1	1	1
3	0000 051 104 06	1	1	1	1	-
3	0000 043 348 00	-	-	-	-	1
4	0000 051 300 02	1	1	1	1	1

Sealing- and bonding adhesives Dicht- und Klebstoffe Etanchéifiant et Colle			Materias para empaquetar y pegar Adesivi e collanti	
A = 0000 502 230 01	Loctite Activator N	500 ml	}	as specified in the individual tables
B = 0000 502 231 01	Loctite 574	50 ml		
C = 0000 502 232 00	Loctite 601	50 ml	}	siehe Hinweis auf den einzelnen Bildtafeln
D = 0000 700 189 18	Loctite 243	50 ml		
E= 0000 502 234 00	Loctite 648	10 ml	}	suivant les remarques sur les tableau correspondant
F = 0000 502 238 00	Technicoll 8058	0,75 kg		
+ 0000 502 239 00	Technicoll 8367	0,75 kg		
G = 0000 502 565 01	Loctite IS 407	20 g	}	según las indicaciones de las tablas correspondientes
H = 0000 700 189 44	Silicon	310 ml		
J = 0000 502 830 04	Hochtemp. Paste	100 ml		
K = 0000 503 426 01	Hochtemp. Fett	400 g		
L = 0000 502 566 00	Silicon sealer	100 g	}	seguire le indicazioni sul quadro corrispondente
M= 0000 504 851 00	Schleifpaste	80 g		
N = 0000 700 218 15	Loctite 5910	300 ml		

M01

Crankcase
Kurbelgehäuse
Carter moteur
Caja cigueñal
Basamento motore

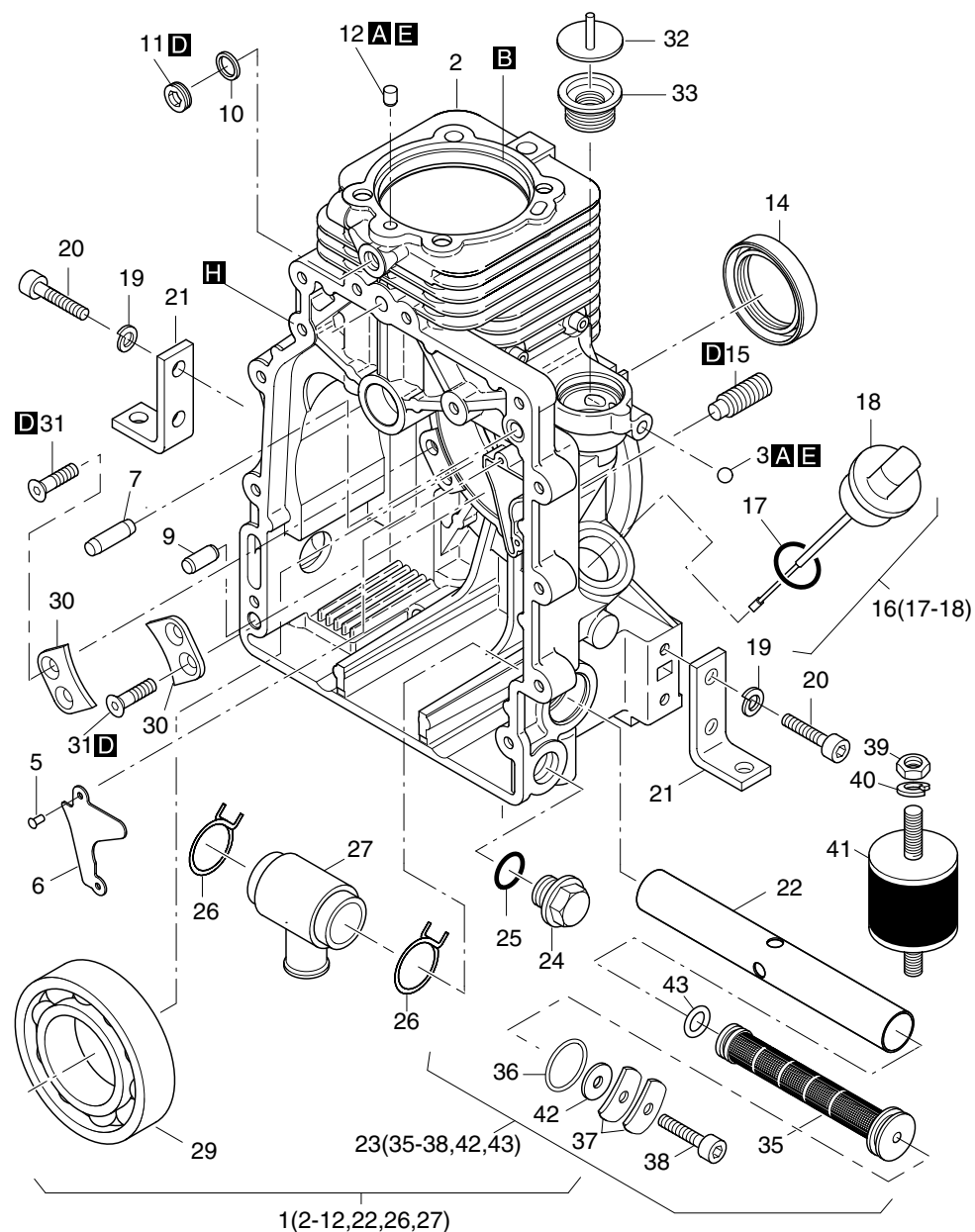


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 522 20	1	-	-	-		
1	0000 015 827 20	-	-	-	1		
2	-----	-	-	-	-		
3	-----	-	-	-	-		
5	0000 400 026 01	2	2	2	2		3,2
6	0000 020 259 00	1	1	1	-		
6	0000 013 331 11	-	-	-	1		
7	0000 502 491 02	1	1	1	1		8 M6 X 20 2FASEN
9	0000 502 491 02	1	1	1	1		8 M6 X 20 2FASEN
10	0000 500 624 00	1	1	1	1		A 10 x 13,5 DIN 7603-Cu
11	0000 500 623 00	1	1	1	1		M 10 x 1 DIN 908-5.8 A3C
12	-----	-	-	-	-		
14	0000 504 232 00	1	1	1	-	D1	40 x 55 x 10 AS
14	0000 504 498 00	-	-	-	1	D1	42 x 55 x 10 AS
15	0000 041 506 10	1	1	1	1		
16	0000 013 160 00	1	1	1	1		
17	0000 041 250 00	1	1	1	1	D1	26 x 35 x3
18	-----	-	-	-	-		
19	0000 502 085 00	8	4	8	8		8 DIN 128 A3C
20	0000 041 219 00	8	4	8	8		M 8 X 35
21	0000 040 993 02	4	2	4	4		
22	0000 041 057 10	1	1	1	1		
23	0000 015 427 05	1	1	1	1		
24	0000 503 731 00	1	1	1	1	W1	AM22x1,5DIN7604A3C MAGN.
25	0000 500 016 00	1	1	1	1	D2, W4	A 22 x 27 DIN 7603 Cu
26	0000 050 369 00	2	2	2	2		ø 25
27	0000 041 630 00	1	1	1	1		
29	0000 504 233 00	1	1	1	-		
29	0000 504 497 00	-	-	-	1		
30	0000 040 944 00	2	2	2	2		
31	0000 505 643 00	4	4	4	4		M 6 x 16 8.8 MK PRE 80-8
32	0000 015 558 00	1	1	1	1		
33	0000 035 687 01	1	1	1	1		
35	-----	-	-	-	-		
36	0000 504 759 01	1	1	1	1	W1, D1	20 x 4
37	0000 051 482 00	2	2	2	2		
38	0000 501 707 00	1	1	1	1		M 6 x 16 DIN 912-8.8A3C
39	0000 501 480 00	8	8	8	8		M 8 DIN 934-8 A3B
40	0000 502 085 00	4	4	4	4		8 DIN 128 A3C
41	0000 502 867 00	4	4	4	4		A40/40 M8 x 23
42	0000 040 420 00	1	1	1	1		6,5 x 22,5 x 1
43	0000 505 806 00	1	1	1	1		Ø15 x 2,5

Crankshaft
Kurbelwelle
Vilebrequin
Cigüeñal
Albero a gomito

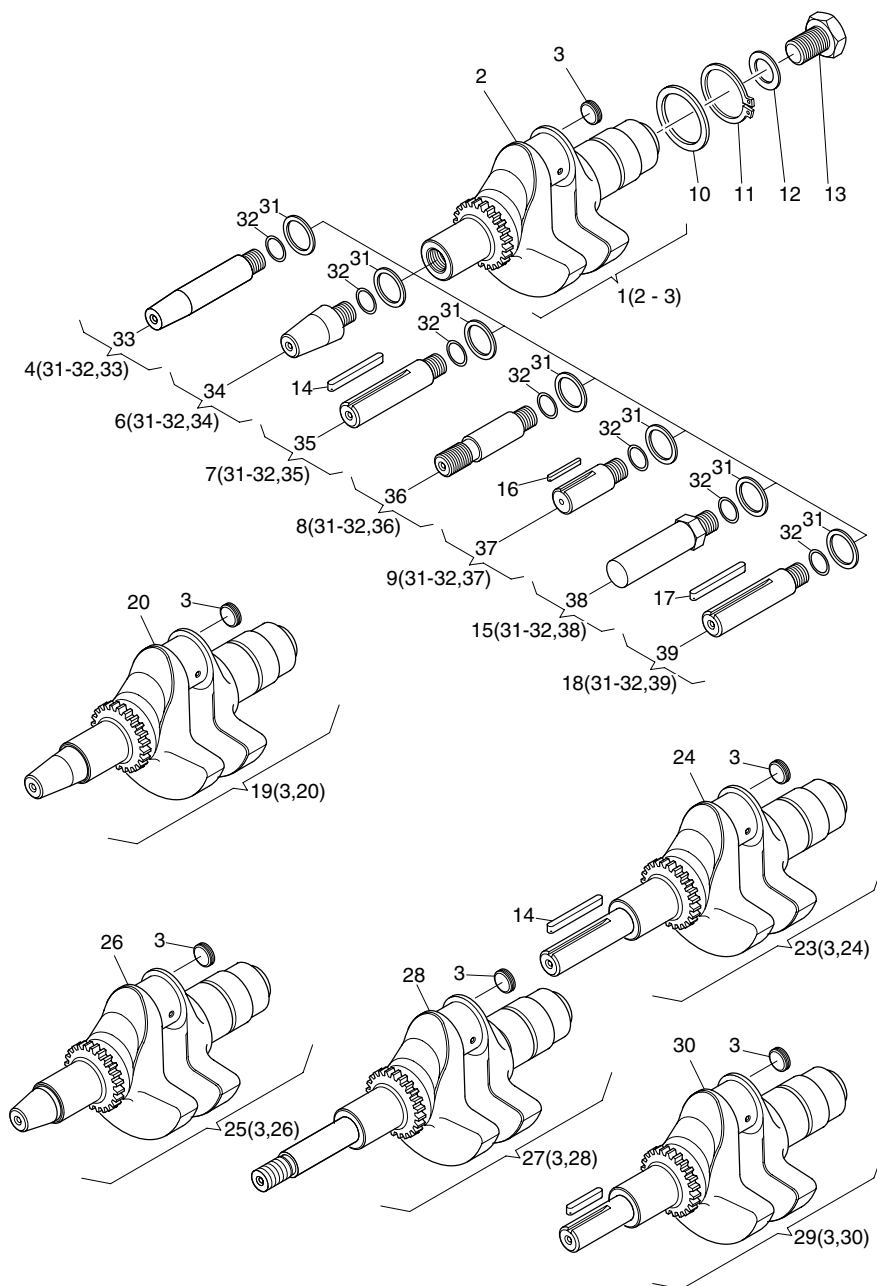


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 527 10	1	-	1	-		
1	0000 013 342 01	-	-	-	1		
2	-----	-	-	-	-		
3	0000 042 876 00	1	1	1	1		Ø12
4	0000 013 252 02	1	-	-	-		Nr. 4 SAE Generator ø 19,8 mm
4	0000 015 805 03	-	-	-	1		Nr. 4 SAE Generator ø 7/8"
6	0000 013 246 02	1	-	-	1		Nr. 6 ital. 23 keg., con.
6	0000 015 953 02	-	-	-	1		keg., con. ø 25 f. Gen.
7	0000 013 247 02	1	-	-	-		Nr. 7 - ø 3/4" zyl., cil.
7	0000 015 807 04	-	-	-	1		Nr. 2 - ø 1" zyl., cil.
8	0000 013 248 02	1	-	-	-		Nr. 8 SAE 3/4" - 16 UNF 2A
8	0000 015 808 05	-	-	-	1		Nr. 1 - SAE ø 1" - 14 UNS 2A
9	0000 013 249 02	1	-	-	-		ø 20 zyl., cil.
9	0000 015 806 02	-	-	-	1		ø 25 zyl., cil.
10	0000 400 325 00	1	1	1	-		40 x 50 x 2,5 DIN 988
10	0000 400 656 00	-	-	-	1		45 x 55 x 3,0
11	0000 501 206 00	1	1	1	-		A 40 x 1,75 DIN 471
11	0000 500 216 00	-	-	-	1		A 45 x 1,75 DIN 471
12	0000 041 142 01	1	1	1	1		18,5 x 37 x 5
13	0000 504 436 01	1	1	1	1		M 18 x 1,5 x 55 DIN 961 - 10.9
14	0000 041 204 00	1	-	-	-		4,75 x 30
14	0000 051 416 00	-	-	-	1		A 6,35 x 61
15	0000 015 540 02	1	-	-	1		SW 27 mm, ø 26,8 mm
16	0000 504 634 00	1	-	-	-		A 5 x 5 x 36 DIN 6885
16	0000 504 737 00	-	-	-	1		7 x 8 x 45 DIN 6885
17	0000 504 634 00	1	-	-	1		A 5 x 5 x 36 DIN 6885
18	0000 013 491 02	1	-	-	1		ø 22,2 zyl., cil.
19	0000 015 523 10	1	1	1	-		Nr. 6 ital. 23 keg., con.
19	0000 013 339 01	-	-	-	1		Nr. 6 ital. 23 keg., con.
20	-----	-	-	-	-		
23	0000 015 525 10	1	-	1	-		Nr. 7 ø 3/4" zyl., cil.
23	0000 013 341 11	-	-	-	1		Nr.2 ø1"zyl., cil.
24	-----	-	-	-	-		
25	0000 018 517 10	1	-	-	-		Nr. 3 keg., con. ø25 mm f. Gen.
25	0000 018 609 10	-	-	1	-		Nr. 3 keg., con. ø26 mm f. Gen.
25	0000 018 855 00	-	-	-	1		Nr. 3 keg., con. ø30 mm f. Gen.
26	-----	-	-	-	-		
27	0000 018 800 10	1	-	-	-		Nr. 5 ø20 zyl., cil. M 18 x 1,5
27	0000 018 866 10	-	-	1	-		Nr. 5 ø25 zyl., cil. M 18 x 1,5
27	0000 018 559 00	-	-	-	1		Nr. 5 ø25 zyl., cil. M 20 x 1,5
28	-----	-	-	-	-		
29	0000 018 527 10	1	-	-	-		Nr. 9 ø20 zyl., cil.
29	0000 018 865 10	-	-	1	-		Nr. 9 ø25 zyl., cil.
29	0000 018 560 00	-	-	-	1		Nr. 9 ø25 zyl., cil.
30	-----	-	-	-	-		
31	0000 052 943 00	1	1	1	1		23,3 x 30 x 1,75
32	0000 506 081 00	1	1	1	1		18 x 1,5
33	-----	-	-	-	-		
34	-----	-	-	-	-		

Crankshaft
Kurbelwelle
Vilebrequin
Cigüeñal
Albero a gomito

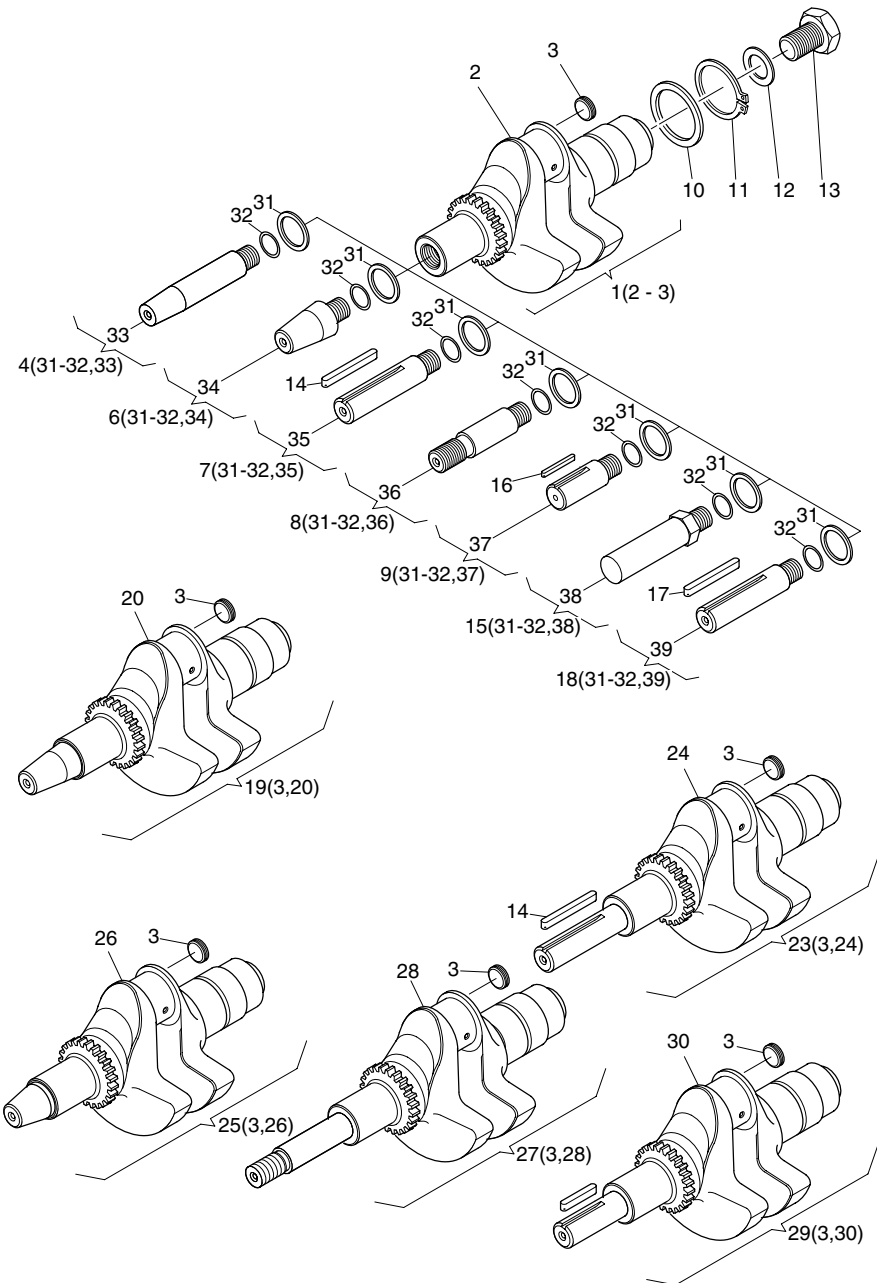


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
35	-----	-	-	-	-		
36	-----	-	-	-	-		
37	-----	-	-	-	-		
38	-----	-	-	-	-		
39	-----	-	-	-	-		

M04

Camshaft
Nockenwelle
Arbre à cames
Arbol de levas
Albero a camme

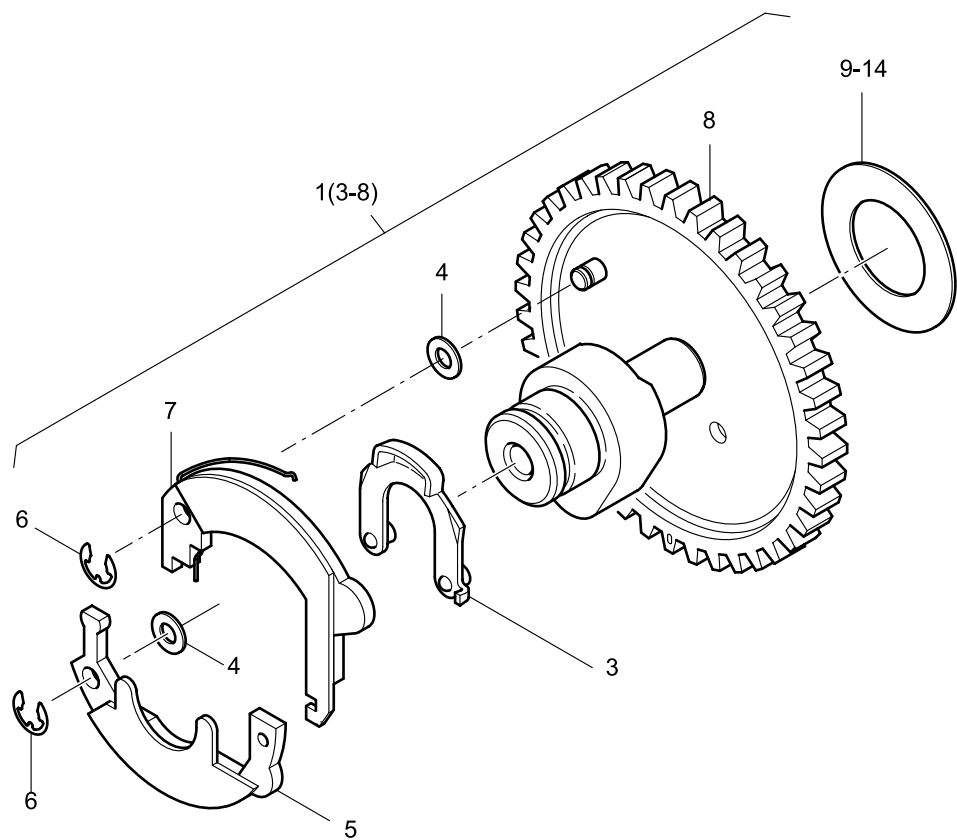


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 035 24	1	1	1	1		
3	0000 013 264 01	1	1	1	1		
4	0000 501 232 00	2	2	2	2		5 x 10 x 0,5 DIN 988
5	0000 013 266 00	1	1	1	1		
6	0000 502 553 00	2	2	2	2		3,2 DIN 6799
7	0000 013 265 01	1	1	1	1		
8	-----	-	-	-	-		
9	0000 041 217 00	0... 1	0... 1	0... 1	0... 1		0,9 mm 23 x 38 x 0,9
10	0000 041 121 00	0... 1	0... 1	0... 1	0... 1		1,0 mm 23 x 38 x 1,0
11	0000 041 122 00	0... 1	0... 1	0... 1	0... 1		1,1 mm 23 x 38 x 1,1
12	0000 041 123 00	0... 1	0... 1	0... 1	0... 1		1,2 mm 23 x 38 x 1,2
13	0000 041 251 00	0... 1	0... 1	0... 1	0... 1		1,3 mm 23 x 38 x 1,3
14	0000 041 252 00	0... 1	0... 1	0... 1	0... 1		1,4 mm 23 x 38 x 1,4

Piston, conrod, cylinder
Kolben, Pleuel, Zylinder
Piston, bielle, cylindre
Embolo, biela, cilindro
Pistone, biella, cilindro

17

Cylinder head - 1B20 / 27
 Zylinderkopf - 1B20 / 27
 Culasse - 1B20 / 27
 Culata - 1B20 / 27
 Testa - 1B20 / 27

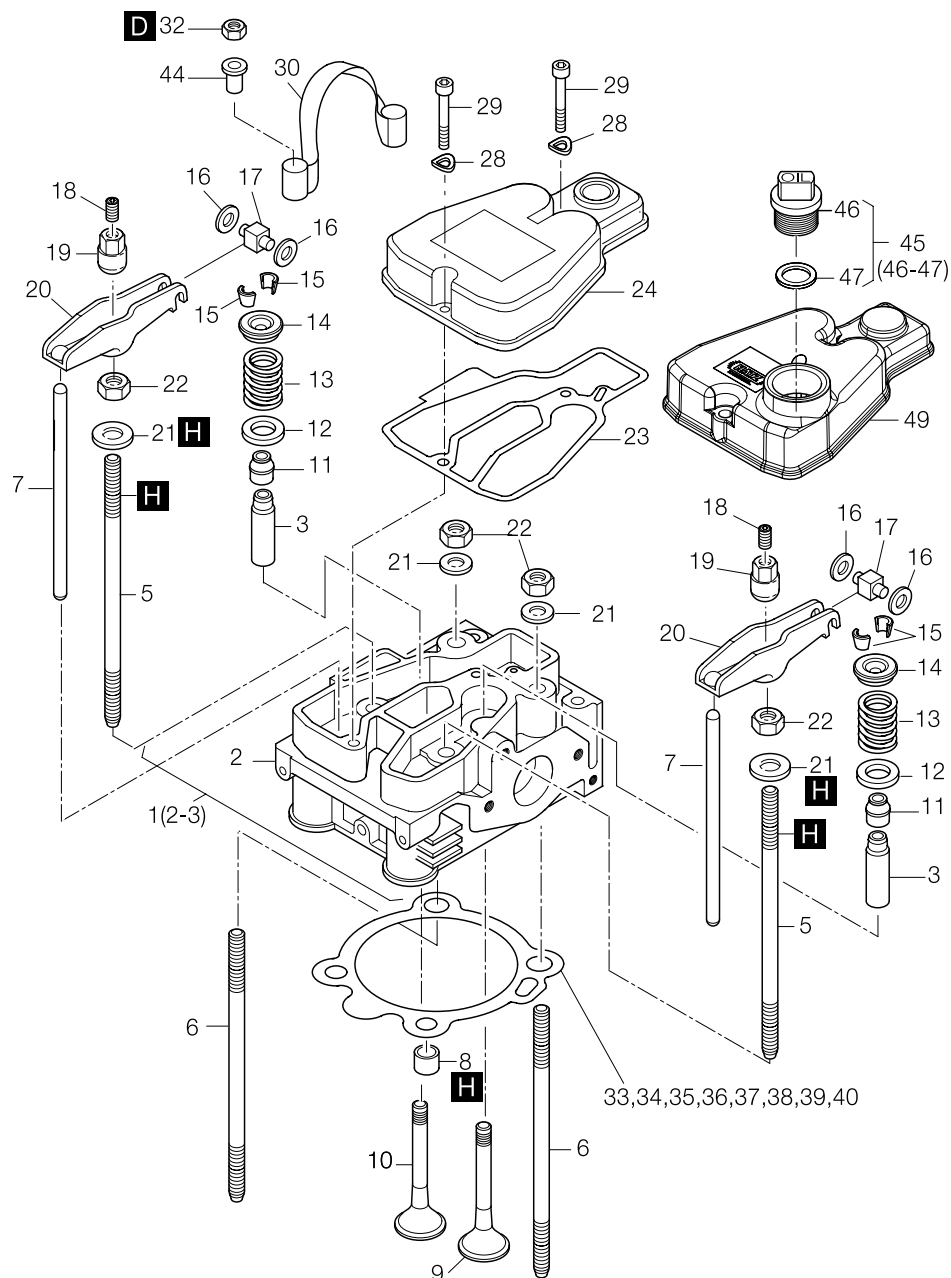


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	
1	0000 013 935 01	1	1	1	
2	-----	-	-	-	
3	0000 051 194 00	2	2	2	
5	0000 050 625 00	2	2	-	128 mm
5	0000 042 764 00	-	-	2	190 mm
6	0000 050 625 00	2	2	-	128 mm
6	0000 042 765 00	-	-	2	205 mm
7	0000 050 540 00	2	2	2	
8	0000 041 075 00	2	2	-	d2 9,5 x 8,5 x 5,4
8	0000 043 244 00	-	-	2	d2 9,54 x 8,5 x 7
9	0000 050 532 01	1	1	1	
10	0000 050 533 01	1	1	1	
11	0000 506 310 00	2	2	2	d2
12	0000 040 937 01	2	2	2	
13	0000 040 936 00	2	2	2	
14	0000 040 938 00	2	2	2	
15	0000 022 525 00	2	2	2	
16	0000 052 407 00	0... 4	0... 4	0... 4	6 x 12 x 1,35
16	0000 504 451 00	0... 4	0... 4	0... 4	6 x 12 x 1,2 DIN 988
17	0000 050 911 01	2	2	2	
18	0000 505 131 00	2	2	2	W2 M 8 X 10 DIN 916-45H
19	0000 050 547 00	2	2	2	
20	0000 050 509 02	2	2	2	
21	0000 050 612 01	4	4	4	8,1 x 20 x 3
22	0000 503 643 00	4	4	4	M 8 DIN 934 - 10.9 A3C
23	0000 050 557 00	1	1	1	d1, W4
24	0000 050 473 22	1	1	1	
28	0000 500 812 00	2	2	2	A 6 DIN 137 - A3C
29	0000 503 749 00	2	2	2	M 6 X 35 DIN 912-8.8 A3C
30	0000 041 176 10	1	1	1	
32	0000 501 295 00	2	2	2	M 8 DIN 985-8 A3C
33	0000 050 594 00	0... 1	0... 1	-	0,3 mm
33	0000 042 520 00	0... 1	0... 1	-	0,35 mm
34	0000 050 595 00	0... 1	0... 1	-	0,4 mm
34	0000 042 521 00	0... 1	0... 1	-	0,45 mm
35	0000 050 596 00	0... 1	0... 1	-	d1 0,5 mm
35	0000 042 455 20	-	-	0... 1	d1 0,5 mm
35	0000 042 522 00	0... 1	0... 1	-	0,55 mm
36	0000 050 597 00	0... 1	0... 1	-	d1 0,6 mm
36	0000 042 457 20	-	-	0... 1	d1 0,6 mm
36	0000 042 523 00	0... 1	0... 1	-	0,65 mm
37	0000 050 598 00	0... 1	0... 1	-	d1 0,7 mm
37	0000 042 459 20	-	-	0... 1	d1 0,7 mm
37	0000 042 524 00	0... 1	0... 1	-	0,75 mm
38	0000 050 599 00	0... 1	0... 1	-	0,8 mm
38	0000 042 461 20	-	-	0... 1	0,8 mm
38	0000 042 525 00	0... 1	0... 1	-	0,85 mm
39	0000 050 600 00	0... 1	0... 1	-	0,9 mm
39	0000 042 463 20	-	-	0... 1	0,9 mm

Cylinder head - 1B20 / 27
Zylinderkopf - 1B20 / 27
Culasse - 1B20 / 27
Culata - 1B20 / 27
Testa - 1B20 / 27

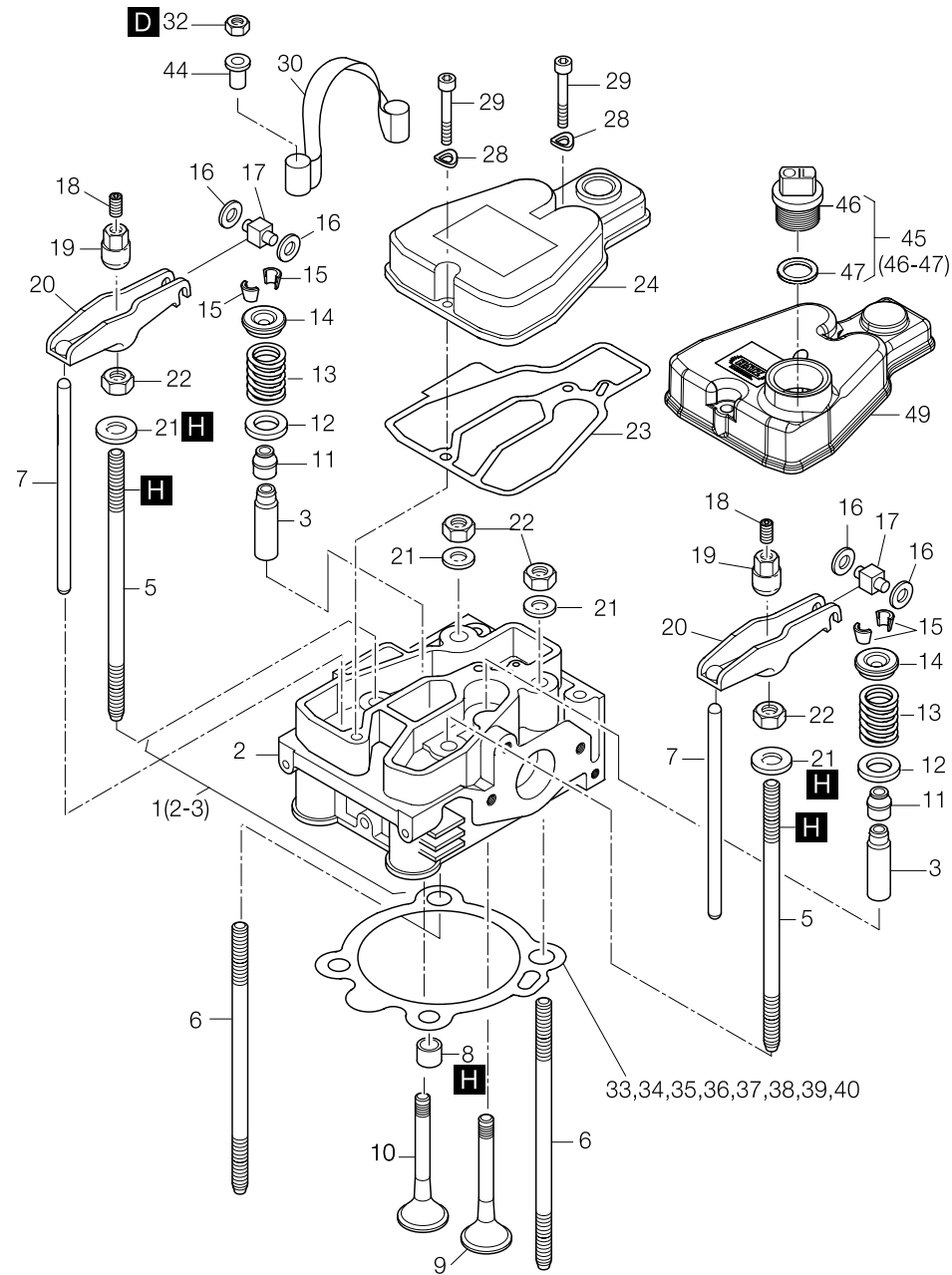


Fig.- No.	HATZ Ident-No.	Qty. Stück			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV		
39	0000 042 526 00	0... 1	0... 1	-		0,95 mm
40	0000 050 601 00	0... 1	0... 1	-		1,0 mm
40	0000 042 465 20	-	-	0... 1		1,0 mm
44	0000 505 259 00	2	2	2		A 10 x 0,75 x 10 DIN 7340
45	0000 016 131 00	1	1	1		
46	-----	-	-	-		
47	0000 041 250 00	1	1	1		26 x 35 x3
49	0000 055 986 00	1	1	1		

Cylinder head - 1B30
Zylinderkopf - 1B30
Culasse - 1B30
Culata - 1B30
Testa - 1B30

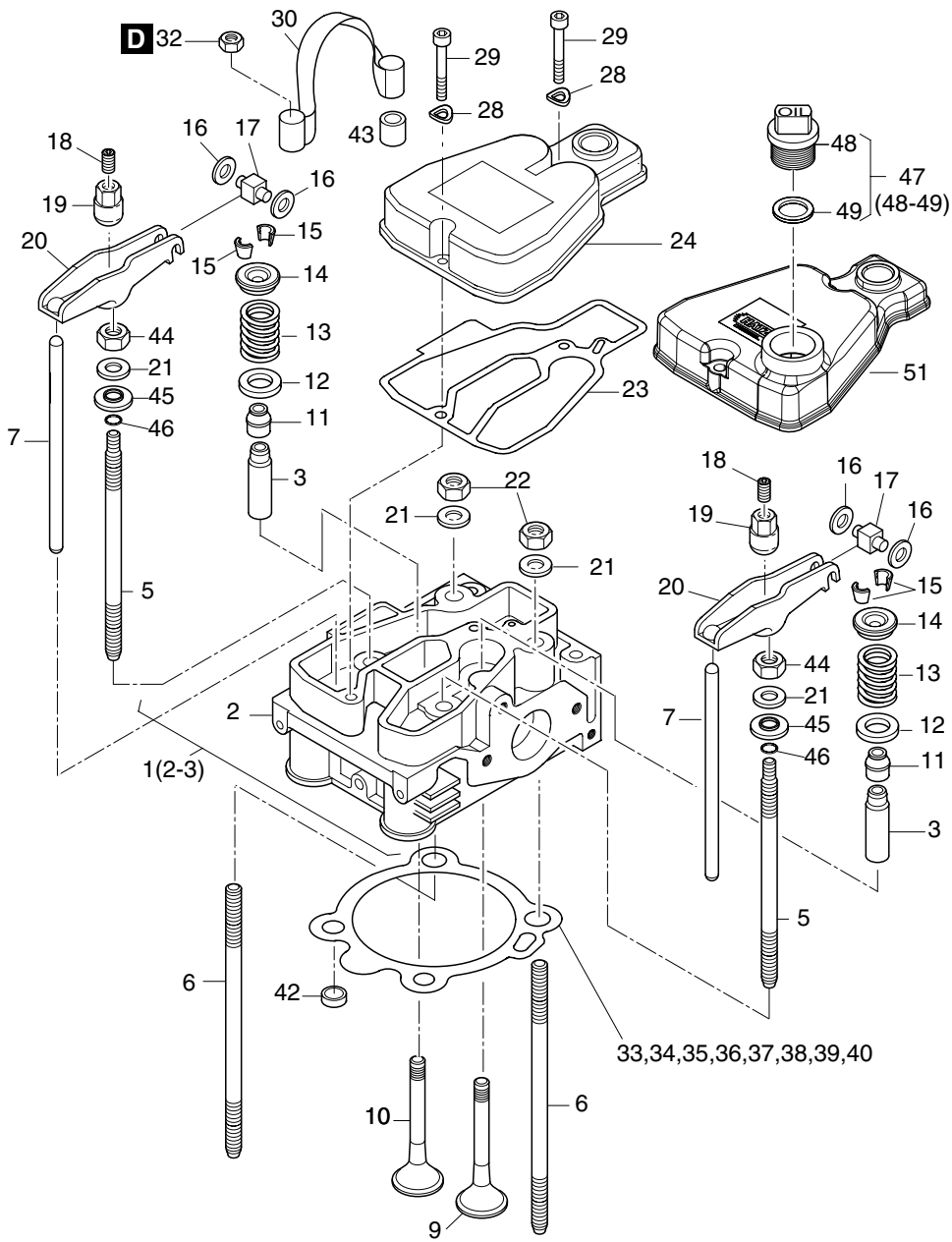


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1B30				
EPA IV				
1	0000 013 936 10	1		
2	-----	-		
3	0000 051 295 00	2		
5	0000 050 975 00	2		141 mm (M 10 - M 8)
6	0000 050 974 00	2		148 mm (M 10)
7	0000 050 989 00	2		174,8 mm
9	0000 050 930 01	1		
10	0000 050 931 01	1		
11	0000 506 310 00	2	d2	
12	0000 040 937 01	2		
13	0000 041 135 00	2		
14	0000 040 938 00	2		
15	0000 022 525 00	2		
16	0000 052 407 00	0... 4		6 x 12 x 1,35
16	0000 504 451 00	0... 4		6 x 12 x 1,2 DIN 988
17	0000 050 911 01	2		
18	0000 505 131 00	2	W2	M 8 X 10 DIN 916-45H
19	0000 050 547 00	2		
20	0000 050 982 02	2		
21	0000 050 993 00	4		10,1 x 24 x 3
22	0000 503 966 00	4		M10 DIN 934-10 A3C
23	0000 050 933 10	1	d1, W4	
24	0000 050 927 20	1		
28	0000 500 812 00	2		A 6 DIN 137 - A3C
29	0000 503 749 00	2		M 6 X 35 DIN 912-8.8 A3C
30	0000 041 177 01	1		
32	0000 500 238 00	2		BM 10 DIN 439 - A3C
33	0000 050 963 01	0... 1		0,3 mm
34	0000 050 964 01	0... 1		0,4 mm
35	0000 050 965 01	0... 1	d1	0,5 mm
35	0000 042 488 00	0... 1		0,55 mm
36	0000 050 966 01	0... 1	d1	0,6 mm
36	0000 042 489 00	0... 1		0,65 mm
37	0000 050 967 01	0... 1	d1	0,7 mm
37	0000 042 490 00	0... 1		0,75 mm
38	0000 050 968 01	0... 1		0,8 mm
39	0000 050 969 01	0... 1		0,9 mm
40	0000 050 970 01	0... 1		1,0 mm
42	0000 042 290 00	2	d2	10 x 11,5 x 4,5
43	0000 041 261 00	2		(10 x 12 x 9)
44	0000 503 966 00	2		M10 DIN 934-10 A3C
45	0000 042 437 00	2	d2	
46	0000 505 639 00	2	d2	10x 2,5
47	0000 016 131 00	1		
48	-----	-		
49	0000 041 250 00	1		26 x 35 x3
51	0000 055 987 00	1		

M10, M32

Oil pump, governor, speed control
Ölpumpe, Regler, Drehzahlverstellung
Pompe à huile, regulateur regime, réglage régime
Bomba de aceite, regulador, ajuste de revoluciones
Pompa olio, regolatore di giri, comando acceleratore

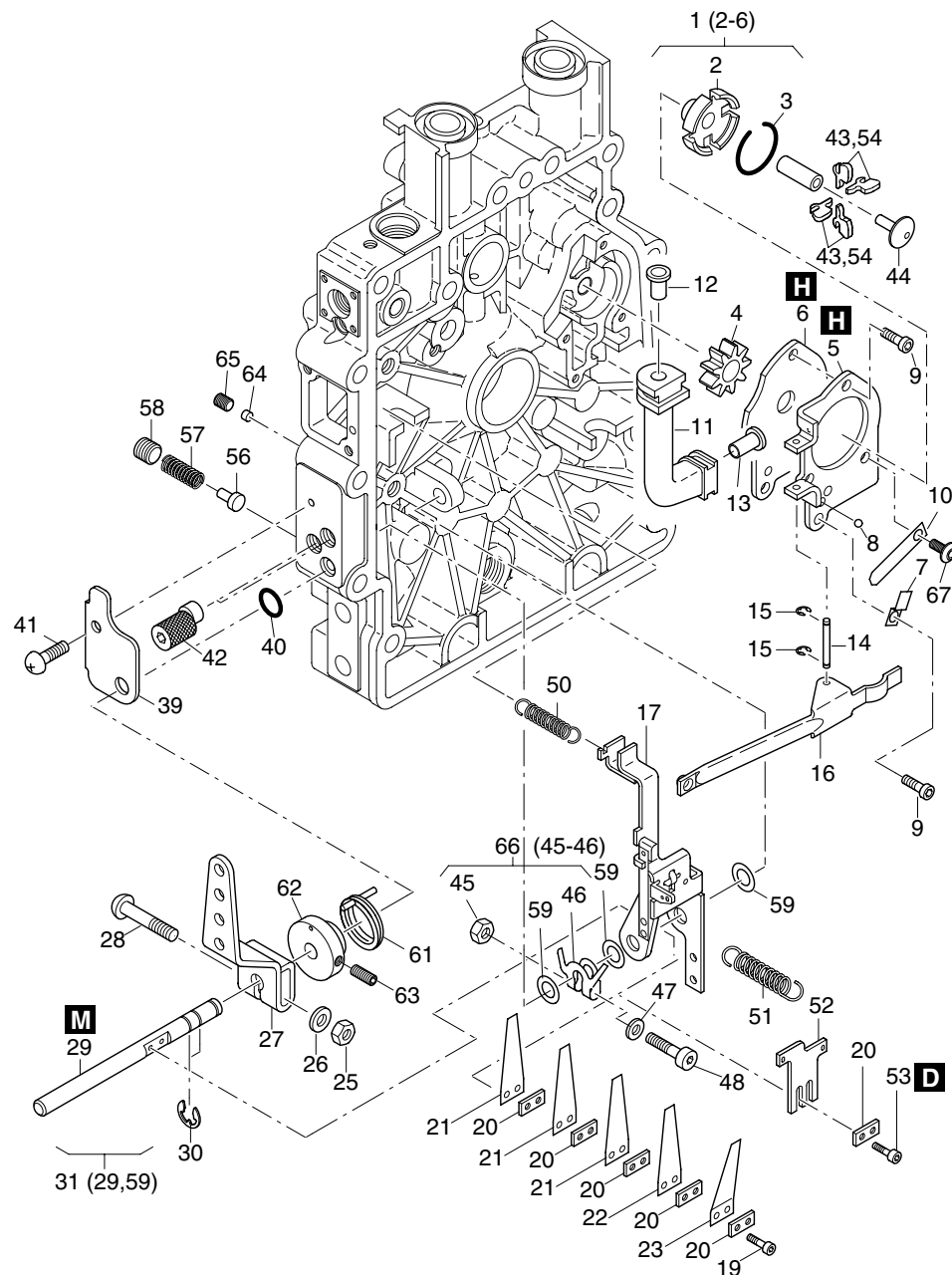


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 302 20	1	1	1	1		
2	-----	-	-	-	-		
3	0000 042 109 10	1	1	1	1		
4	-----	-	-	-	-		
5	-----	-	-	-	-		
6	-----	-	-	-	-		
7	0000 050 971 00	1	1	1	1		
8	0000 504 479 00	1	1	1	1		3,5mm KL. III
9	0000 504 294 00	3	3	3	3		M5 x 12 DIN 6912 - 8.8
10	0000 050 973 00	1	1	1	1		0,4 mm
11	0000 041 029 00	1	1	1	1		
12	0000 504 474 00	1	1	1	1		A8 x 0,5 x 12 DIN 7340 - St
13	0000 504 475 00	1	1	1	1		A10 x 0,75 x 12 DIN 7340 - St
14	0000 050 786 00	1	1	1	1		
15	0000 504 348 00	2	2	2	2		1,9 DIN 6799
16	0000 050 794 01	1	1	1	1		
17	0000 015 304 04	1	1	1	1		
19	0000 504 350 00	2	2	2	2		M 3 X 12 DIN 912-8.8
20	0000 050 798 00	1... 5	1... 5	1... 5	1... 5		
21	0000 051 316 00	1... 2	1... 2	1... 2	1... 3		0,2 mm Gen.-PV 78
21	0000 053 855 00	0... 2	0... 2	0... 2	0... 2		0,25 mm
22	0000 050 789 00	1... 2	1... 2	1... 2	1		0,3 mm Gen.-PV 78
23	0000 051 486 00	1	1	1	1		0,4 mm 19° Gen.-PV 78
25	0000 503 465 00	1	1	1	1		M 6 DIN 934 - 10 A2F
26	0000 501 445 00	1	1	1	1		6,4 DIN 125-St A3C
27	0000 040 956 01	1	1	1	1		
28	0000 039 273 01	1	1	1	1		M 6 x 32
29	-----	-	-	-	-		
30	0000 500 927 00	2	2	2	2		7 DIN 6799 A3C
31	0000 019 810 00	1	1	1	1		
39	0000 051 784 00	1	1	1	1		
40	0000 400 224 01	1	1	1	1	D1	8 x 2 FPM 75 MOLYKOT.
41	0000 504 923 00	1	1	1	1		M 5 x 12 ISO 7380-10.9 Zn
42	0000 051 788 10	2	2	2	2		
43	0000 050 796 11	0... 4	0... 4	0... 4	0... 4		Gen.-PV 78 (0)
44	0000 050 785 02	1	1	1	1		
45	0000 506 775 00	1	1	1	1		M 5 DIN 934-10
46	-----	-	-	-	-		
47	0000 502 163 00	1	1	1	1		5,3 DIN 125-St A3C
48	0000 504 922 10	1	1	1	1		M 5X 25 DIN 6912-10.9
50	0000 505 634 00	1	1	1	1		
51	0000 042 900 00	1	1	1	1		
52	0000 051 308 00	1	1	1	1		
53	0000 504 653 00	2	2	2	2		M 3 X 8 DIN 912-8.8
54	0000 051 602 11	0... 4	0... 4	0... 4	0... 4		Gen.-PV 78 (4)
56	0000 051 517 10	0... 1	0... 1	0... 1	0... 1		
57	0000 504 887 00	0... 1	0... 1	0... 1	0... 1		
58	0000 504 757 00	1	1	1	1		M 10 X 10 A3C 913-45H TUF360G
59	0000 504 224 00	3	3	3	3		8 x 14 x 1,0 DIN 988

M10, M32

Oil pump, governor, speed control
Ölpumpe, Regler, Drehzahlverstellung
Pompe à huile, regulateur regime, réglage régime
Bomba de aceite, regulador, ajuste de revoluciones
Pompa olio, regolatore di giri, comando acceleratore

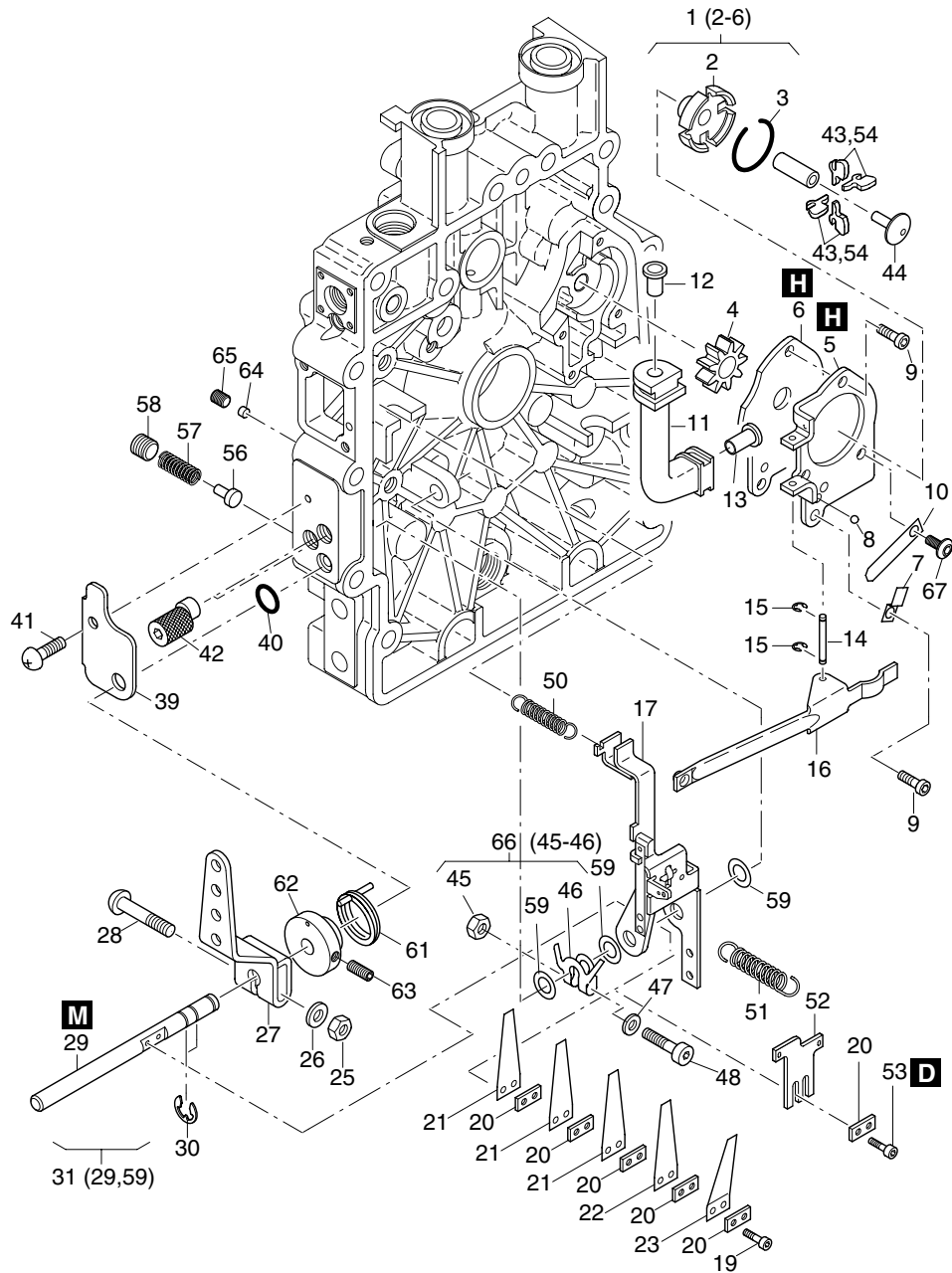


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
61	0000 051 540 10	0... 1	0... 1	0... 1	0... 1		STOP links/left
61	0000 051 791 00	0... 1	0... 1	0... 1	0... 1		START rechts/right
62	0000 051 790 00	0... 1	0... 1	0... 1	0... 1		
63	0000 504 006 00	0... 1	0... 1	0... 1	0... 1		M 5 x 10 A3C DIN 916-45H
64	0000 053 073 00	1	1	1	1		4,5 x 3
65	0000 505 746 00	1	1	1	1		M 6 X 10 DIN 913-45H-A3C
66	0000 023 403 00	1	1	1	1		
67	0000 506 385 00	1	1	1	1		M 5 x 12 ISO 7380-2

M11

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

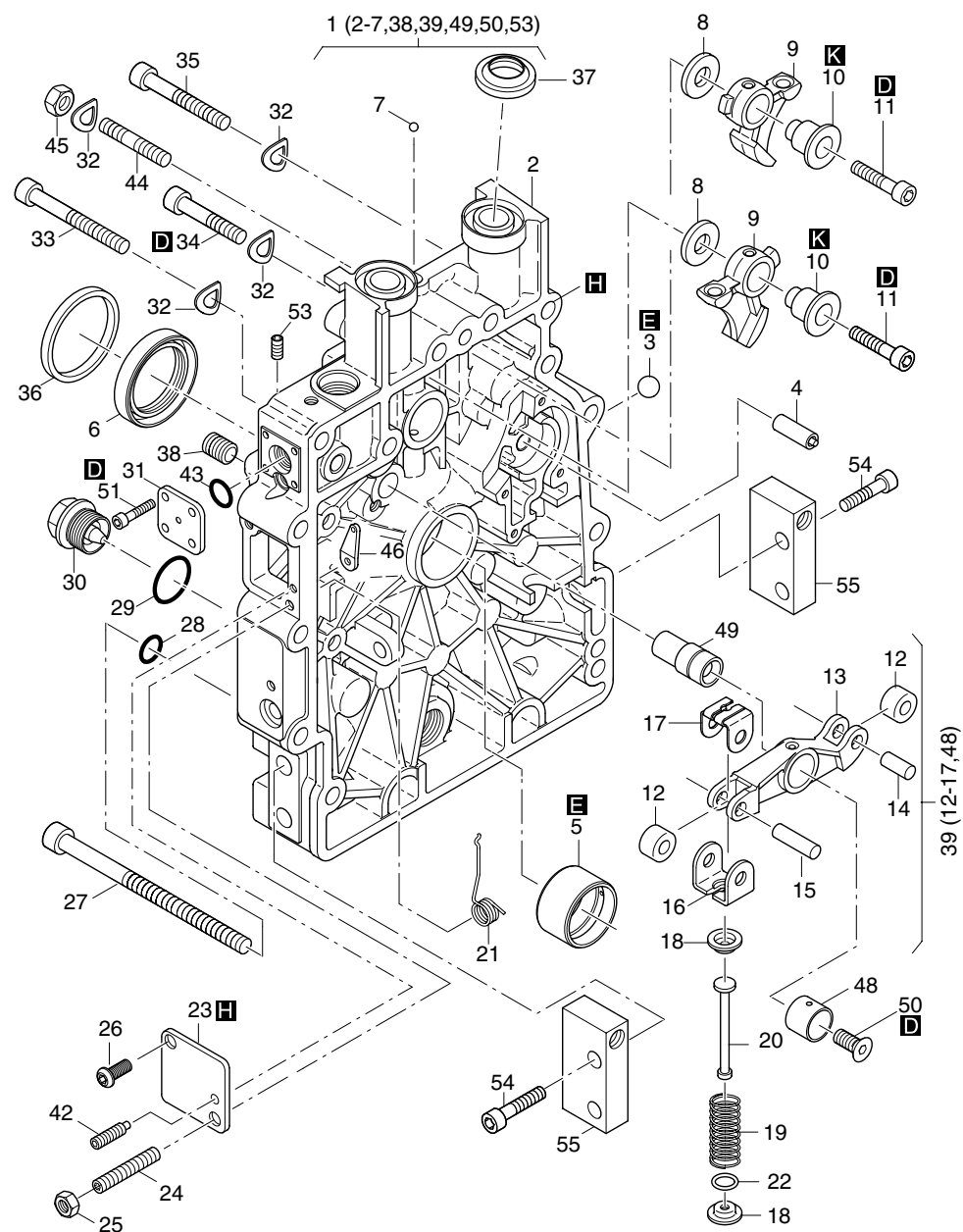


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 013 195 41	1	-	1	1		
1	0000 023 339 00	-	1	-	-		
2	-----	-	-	-	-		
3	-----	-	-	-	-		
4	0000 015 339 00	1	1	1	1		
5	0000 050 531 01	1	1	1	1		
5	0000 041 248 01	1	1	1	1		-0,5 mm
6	0000 400 337 01	1	1	1	1	D1	30 x 47 x 7
7	-----	-	-	-	-		
8	0000 037 941 00	2	2	2	2		10,1 x 22 x 3
9	0000 050 534 00	2	2	2	2		
10	0000 037 942 01	2	2	2	2		
11	0000 504 579 00	2	2	2	2		M 6 x 25 DIN 912-10.9
12	-----	-	-	-	-		
13	-----	-	-	-	-		
14	-----	-	-	-	-		
15	-----	-	-	-	-		
16	-----	-	-	-	-		
17	-----	-	-	-	-		
18	0000 040 948 02	2	2	2	2		
19	0000 040 957 00	1	1	1	1		
20	0000 040 947 00	1	1	1	1		
21	0000 050 952 10	1	1	1	1		
22	0000 041 339 00	1	1	1	1		10,7 x 16 x 0,5
23	0000 040 952 10	1	1	1	1		
24	0000 504 489 01	1	1	1	1		M 6 x 30 DIN 913 22 H A3C Tuf.
25	0000 501 444 00	1	1	1	1		M 6 DIN 934 - 8 A3C
26	0000 506 628 00	1	1	1	1		M 6 x 14
27	0000 504 261 00	2	2	2	-		M 8 X120 DIN 912-8.8 A3C
27	0000 504 630 00	-	-	-	2		M 8 X130 DIN 912-8.8 A3C
28	0000 501 629 00	2	2	2	2	D2	A 8 x 14 DIN 7603 - Cu
29	0000 500 016 00	1	1	1	1	W4,D2	A 22 x 27 DIN 7603 Cu
30	0000 503 731 00	1	1	1	1	W1	AM22x1,5DIN7604A3C MAGN.
31	0000 013 517 00	1	1	1	1		
32	0000 500 951 00	13	13	13	13		A 8 DIN 137 A3C
33	0000 502 488 00	1	1	1	1		M 8 X 60 DIN 912-8.8 A3C
34	0000 504 534 01	2	2	2	2		M 8 X 45 DIN 912-8.8 C3A
35	0000 503 929 00	10	10	10	9		M 8 X 50 DIN 912-8.8 A3C
36	0000 040 978 00	1	1	1	1		SAE A (Zentrierring)
37	0000 041 065 01	2	2	2	2	d2	
38	0000 505 306 00	5	5	5	5		M 8 X 10 DIN 913-45H-A3C-KL
39	0000 013 196 20	1	1	1	1		
42	0000 502 749 01	1	1	1	1		M 4 X 20 DIN 915 TUF360G
43	0000 503 290 00	1	1	1	1	D1	9,5 x 2,5
44	0000 500 387 00	-	-	-	1		M 8 x 50 DIN 835 - 8.8 A3C
45	0000 501 480 00	-	-	-	1		M 8 DIN 934-8 A3B
46	0000 051 271 00	1	1	1	1		
48	-----	-	-	-	-		
49	0000 040 968 30	1	1	1	1		

Timing cover
Steuerdeckel
Couvercle distribution
Tapa de mando
Coperchio distribuzione

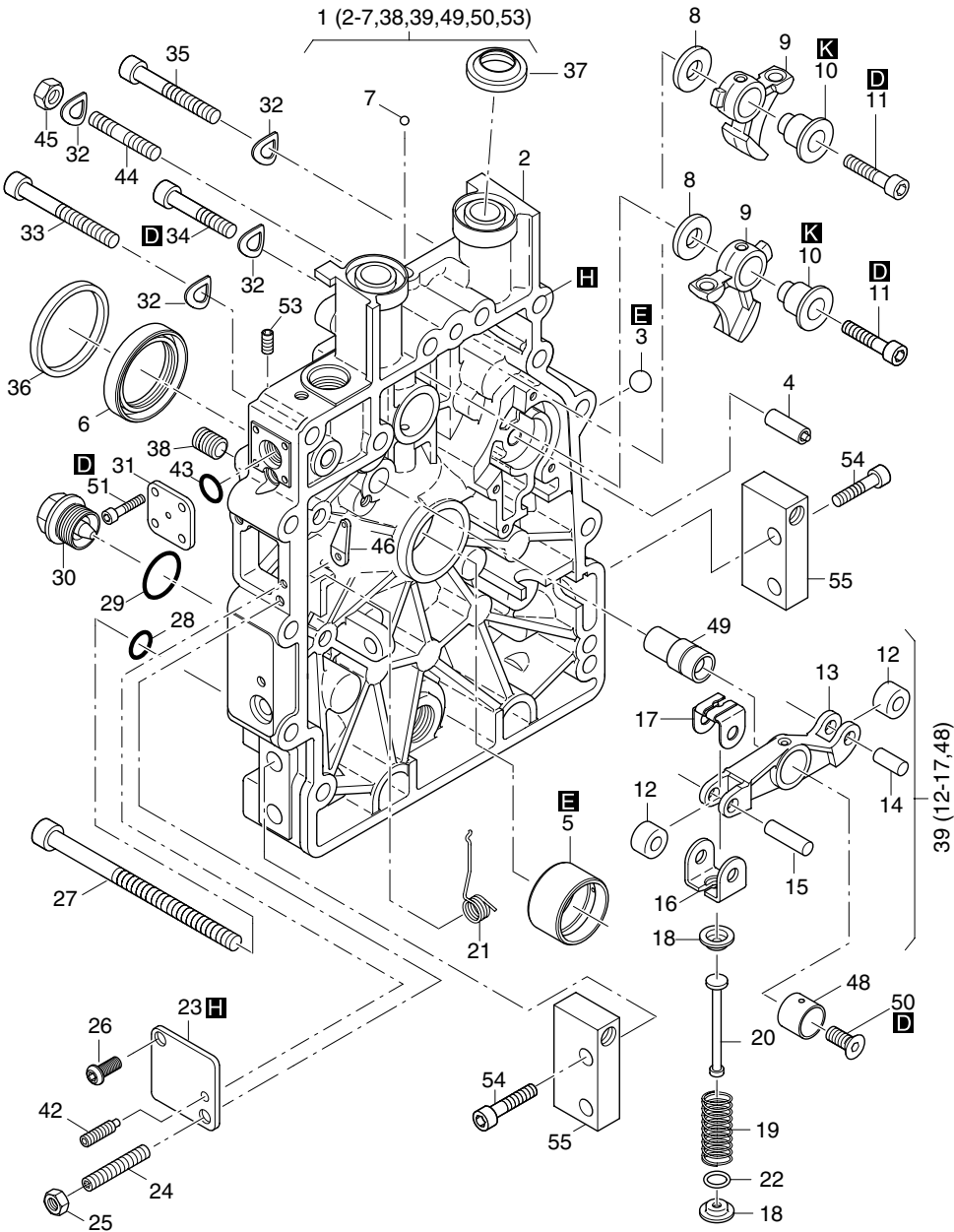


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
50	0000 504 450 00	1	1	1	1		M 6 x 35 DIN 7991 - 8.8 A3C
51	0000 503 971 00	4	4	4	4		M 4 X 10 DIN 912-8.8 A3C TUF
53	0000 502 624 00	1	1	1	1		M 6 X 10 DIN 916TUF360G
54	0000 501 775 00	-	4	-	-		M 8 X 40 DIN 912-8.8 A3C
55	0000 051 387 10	-	2	-	-		

M13, M17

Blower, flywheel
Gebläse, Schwungrad
Soufflerie, volant
Ventilador, volante
Ventilatore, volano

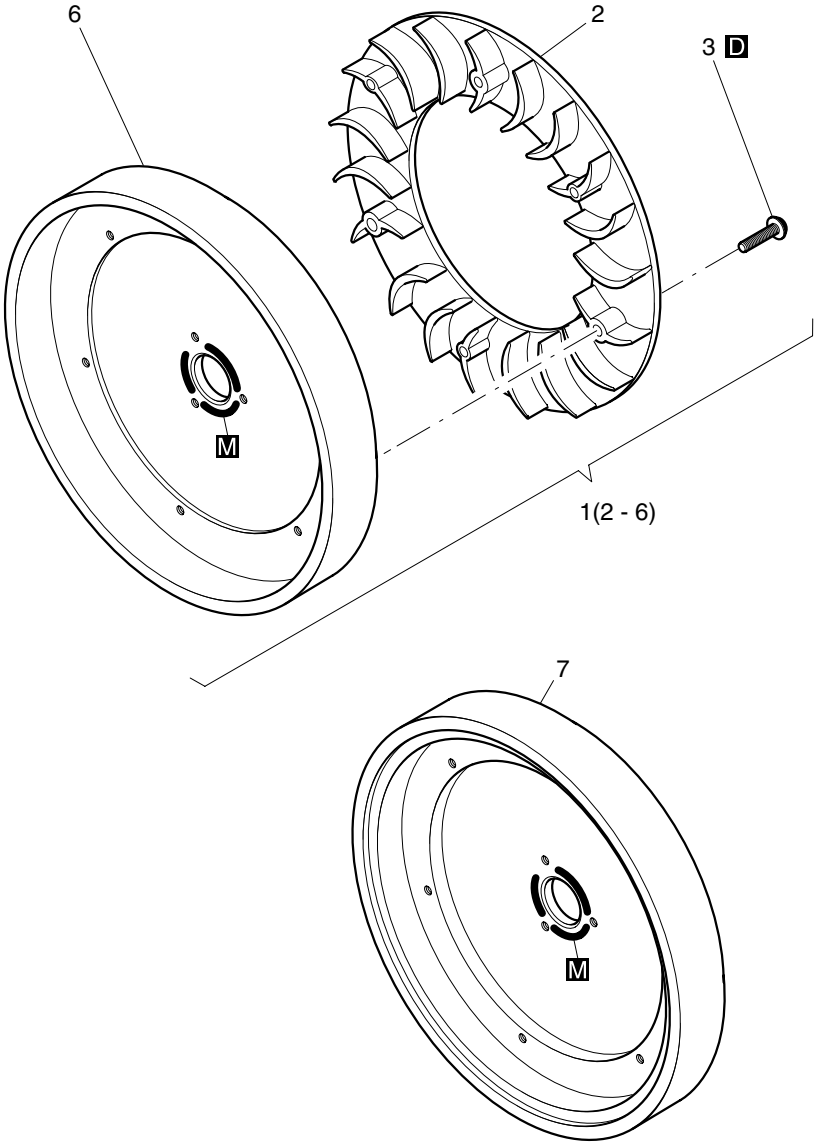


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 797 10	1	1	1	-		
2	0000 041 937 00	1	1	1	-		
2	0000 041 936 00	-	-	-	1		
3	0000 506 742 01	6	6	6	6		M4X18- 8.8 A3B
6	0000 050 522 20	1	1	1	-		
6	0000 041 103 02	-	-	-	0... 1		leicht, light, léger
7	0000 013 977 00	-	-	-	0... 1		schwer, heavy, lourde

M14a

Injection equipment
Einspritzausr stung
Equipment d'injection
Equipo de inyecci n
Equipaggiamento di iniezione

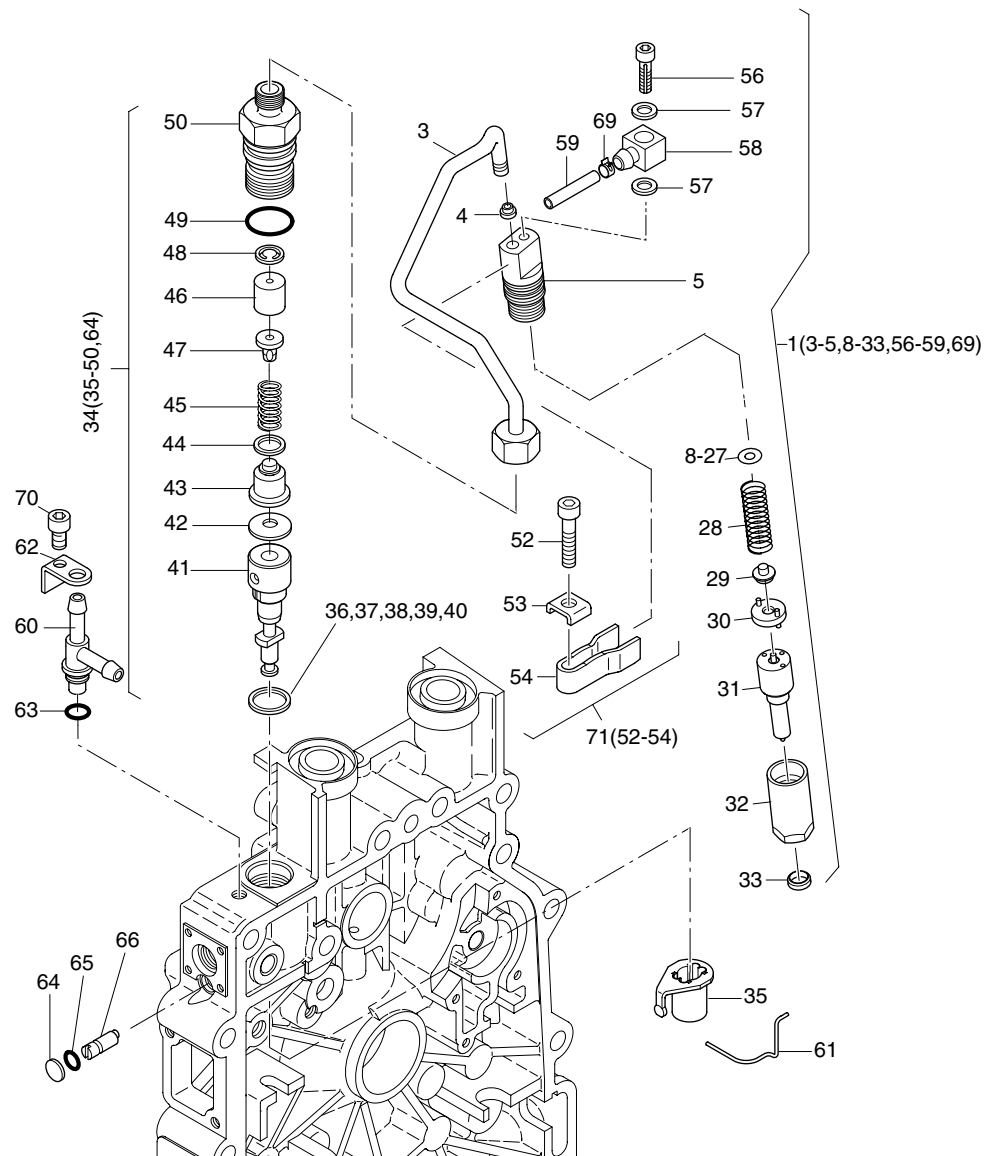


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	
1	0000 013 987 11	1	1	1	
3	-----	-	-	-	
4	0000 050 706 01	1	1	1	5,3 mm s. 95125802
5	-----	-	-	-	
8	0000 504 364 00	0... 1	0... 1	0... 1	1,00 mm
9	0000 504 365 00	0... 1	0... 1	0... 1	1,04 mm
10	0000 504 366 00	0... 1	0... 1	0... 1	1,10 mm
11	0000 504 367 00	0... 1	0... 1	0... 1	1,14 mm
12	0000 504 368 00	0... 1	0... 1	0... 1	1,20 mm
13	0000 504 369 00	0... 1	0... 1	0... 1	1,24 mm
14	0000 504 370 00	0... 1	0... 1	0... 1	1,30 mm
15	0000 504 371 00	0... 1	0... 1	0... 1	1,34 mm
16	0000 504 372 00	0... 1	0... 1	0... 1	1,40 mm
17	0000 504 373 00	0... 1	0... 1	0... 1	1,44 mm
18	0000 504 374 00	0... 1	0... 1	0... 1	1,50 mm
19	0000 504 375 00	0... 1	0... 1	0... 1	1,54 mm
20	0000 504 376 00	0... 1	0... 1	0... 1	1,60 mm
21	0000 504 377 00	0... 1	0... 1	0... 1	1,64 mm
22	0000 504 378 00	0... 1	0... 1	0... 1	1,70 mm
23	0000 504 379 00	0... 1	0... 1	0... 1	1,74 mm
24	0000 504 380 00	0... 1	0... 1	0... 1	1,80 mm
25	0000 504 381 00	0... 1	0... 1	0... 1	1,84 mm
26	0000 504 382 00	0... 1	0... 1	0... 1	1,90 mm
27	0000 504 383 00	0... 1	0... 1	0... 1	1,94 mm
28	-----	-	-	-	
29	-----	-	-	-	
30	-----	-	-	-	
31	0000 505 765 10	1	1	1	
32	-----	-	-	-	
33	0000 050 705 00	1	1	-	d1 3,1 mm
33	0000 041 874 02	-	-	1	d1 4,1 mm
34	0000 013 222 41	1	1	-	
34	0000 015 829 21	-	-	1	
35	0000 013 308 01	1	1	1	
36	0000 040 963 00	0... 1	0... 1	0... 1	0,2 mm
37	0000 040 964 00	0... 1	0... 1	0... 1	0,3 mm
38	0000 040 965 00	0... 1	0... 1	0... 1	0,4 mm
39	0000 040 966 00	0... 1	0... 1	0... 1	0,5 mm
40	0000 040 967 00	0... 1	0... 1	0... 1	0,6 mm
41	-----	-	-	-	
42	0000 041 652 00	1	1	1	8
43	-----	-	-	-	
44	0000 504 769 00	1	1	1	9,5 x 13 x 0,5
45	-----	-	-	-	
46	-----	-	-	-	
47	-----	-	-	-	
48	0000 051 808 00	1	1	1	
49	0000 504 892 00	1	1	1	D1 17 x 2
50	0000 051 811 00	1	1	1	

M14a

Injection equipment
Einspritzausr stung
Equipment d'injection
Equipo de inyecci n
Equipaggiamento di iniezione

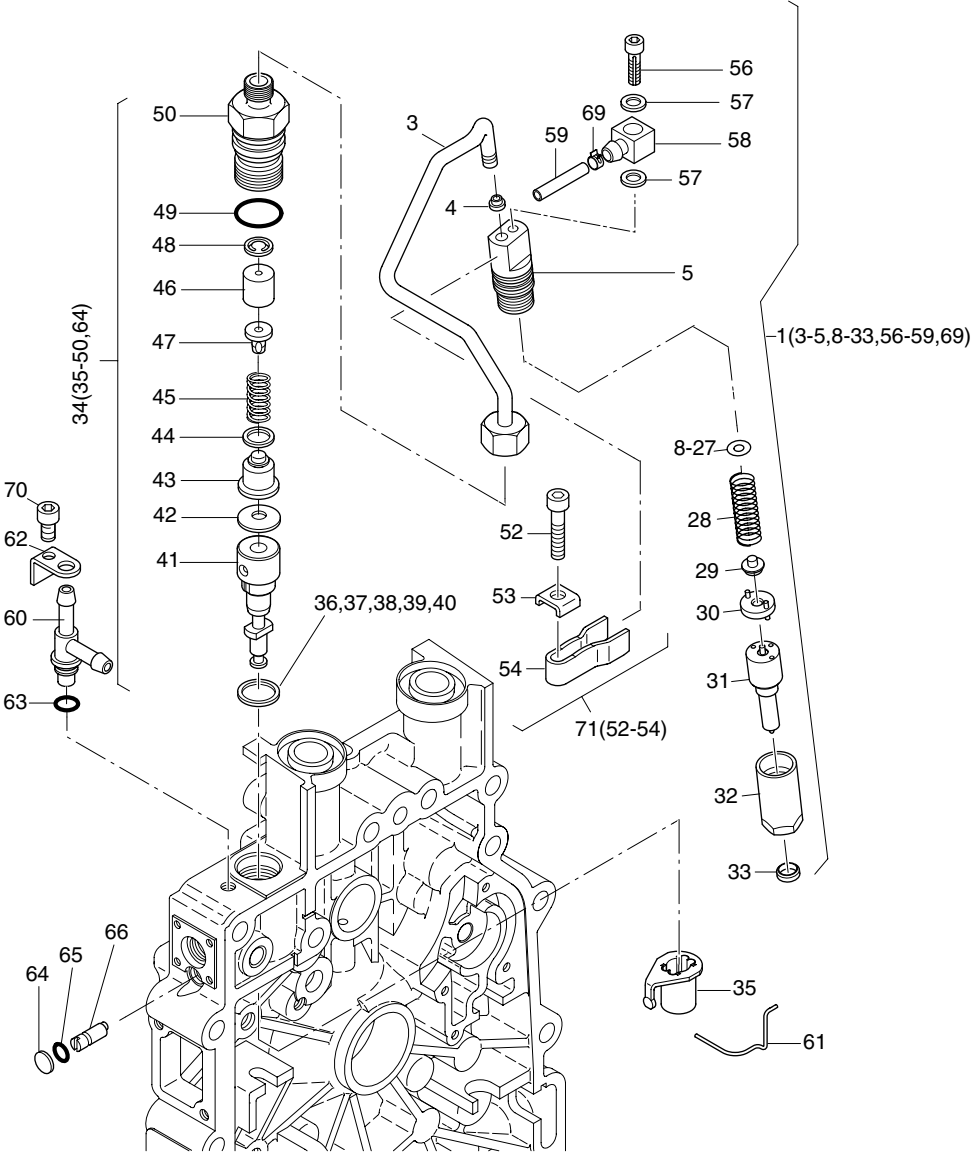


Fig.- No.	HATZ Ident-No.	Qty. St�ck			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV		
52	0000 503 239 00	1	1	1	D1	M 6 x 30 DIN 912-8.8A3C
53	0000 050 893 00	1	1	1		6,4
54	-----	-	-	-		
56	0000 042 819 01	1	1	1		M 4 X 14
57	0000 501 108 00	2	2	2		A4 x 8 DIN 7603-Cu
58	0000 051 290 00	1	1	1		
59	0000 052 150 01	1	1	1		2,5 x 195
60	0000 017 568 00	1	1	1		
61	0000 041 618 00	1	1	1		
62	0000 053 907 00	1	1	1		
63	0000 501 543 00	1	1	1		7,5 x 1,5
64	0000 504 760 00	1	1	1		8 DIN 470 Al
65	0000 503 301 00	1	1	1		4 x 1,2
66	0000 040 977 10	1	1	1		
69	0000 505 779 00	1	1	1		� 6
70	0000 505 470 00	1	1	1		M 5 x 25 DIN 912 - 8.8 A3C Tuf.
71	0000 025 693 00	1	1	1		

M14b

Injection equipment
Einspritzausr stung
Equipment d'injection
Equipo de inyecci n
Equipaggiamento di iniezione

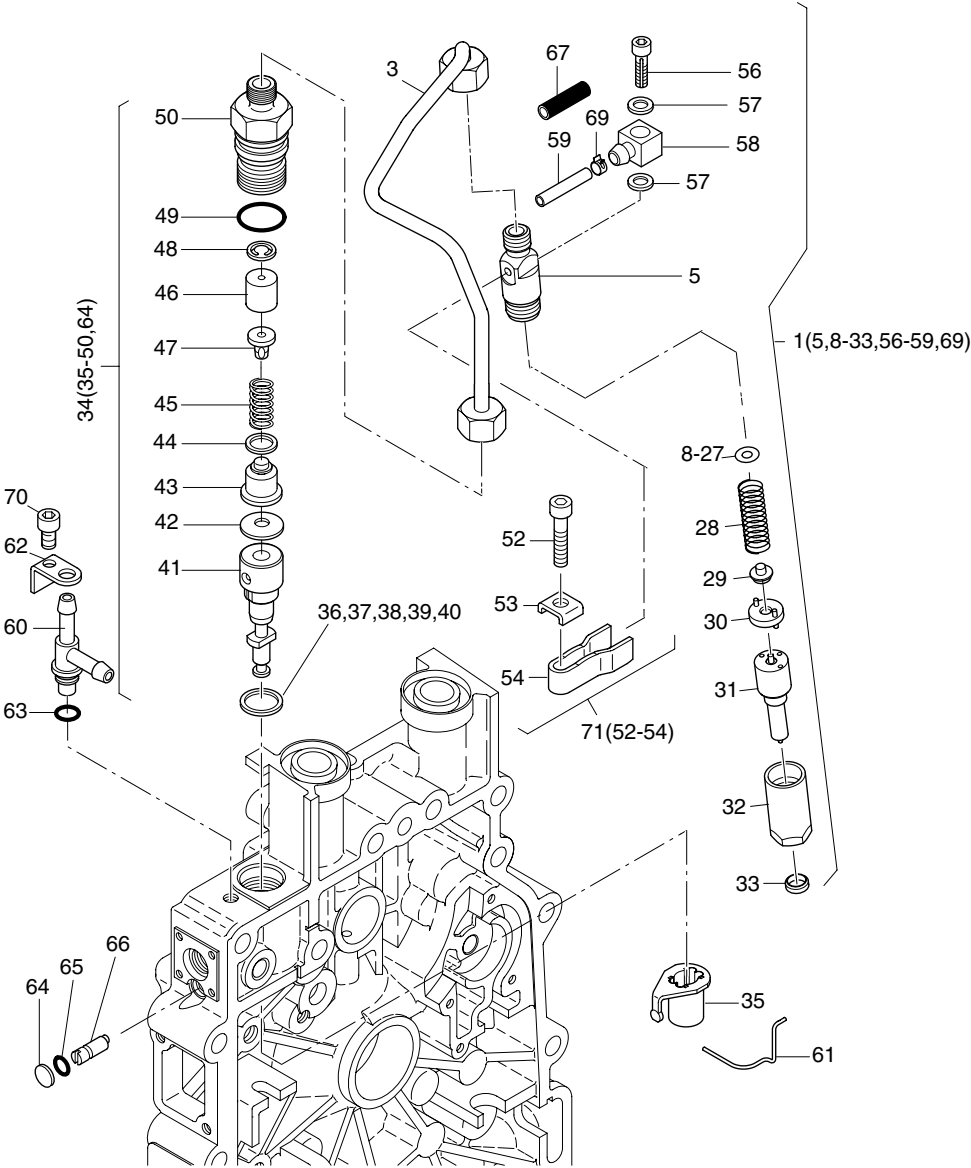


Fig.- No.	HATZ Ident-No.	Qty. St�ck	W d / D	Notes Bemerkungen
1B30				
EPA IV				
1	0000 013 896 10	1		
3	0000 020 244 00	1		
5	-----	-		
8	0000 504 364 00	0 ...1		1,00 mm
9	0000 504 365 00	0 ...1		1,04 mm
10	0000 504 366 00	0 ...1		1,10 mm
11	0000 504 367 00	0 ...1		1,14 mm
12	0000 504 368 00	0 ...1		1,20 mm
13	0000 504 369 00	0 ...1		1,24 mm
14	0000 504 370 00	0 ...1		1,30 mm
15	0000 504 371 00	0 ...1		1,34 mm
16	0000 504 372 00	0 ...1		1,40 mm
17	0000 504 373 00	0 ...1		1,44 mm
18	0000 504 374 00	0 ...1		1,50 mm
19	0000 504 375 00	0 ...1		1,54 mm
20	0000 504 376 00	0 ...1		1,60 mm
21	0000 504 377 00	0 ...1		1,64 mm
22	0000 504 378 00	0 ...1		1,70 mm
23	0000 504 379 00	0 ...1		1,74 mm
24	0000 504 380 00	0 ...1		1,80 mm
25	0000 504 381 00	0 ...1		1,84 mm
26	0000 504 382 00	0 ...1		1,90 mm
27	0000 504 383 00	0 ...1		1,94 mm
28	-----	-		
29	-----	-		
30	-----	-		
31	0000 505 667 10	1	P1	
32	-----	-		
33	0000 050 705 00	1	d1	3,1 mm
34	0000 015 829 21	1		
35	0000 013 308 01	1		
36	0000 040 963 00	0 ...1		0,2 mm
37	0000 040 964 00	0 ...1		0,3 mm
38	0000 040 965 00	0 ...1		0,4 mm
39	0000 040 966 00	0 ...1		0,5 mm
40	0000 040 967 00	0 ...1		0,6 mm
41	-----	-		
42	0000 041 652 00	1		8
43	-----	-		
44	0000 504 769 00	1		9,5 x 13 x 0,5
45	-----	-		
46	-----	-		
47	-----	-		
48	0000 051 808 00	1		
49	0000 504 892 00	1	D1	17 x 2
50	0000 051 811 00	1		
52	0000 503 239 00	1		M 6 x 30 DIN 912-8.8A3C
53	0000 050 893 00	1		6,4
54	-----	-		

M14b

Injection equipment
Einspritzausr stung
Equipment d'injection
Equipo de inyecci n
Equipaggiamento di iniezione

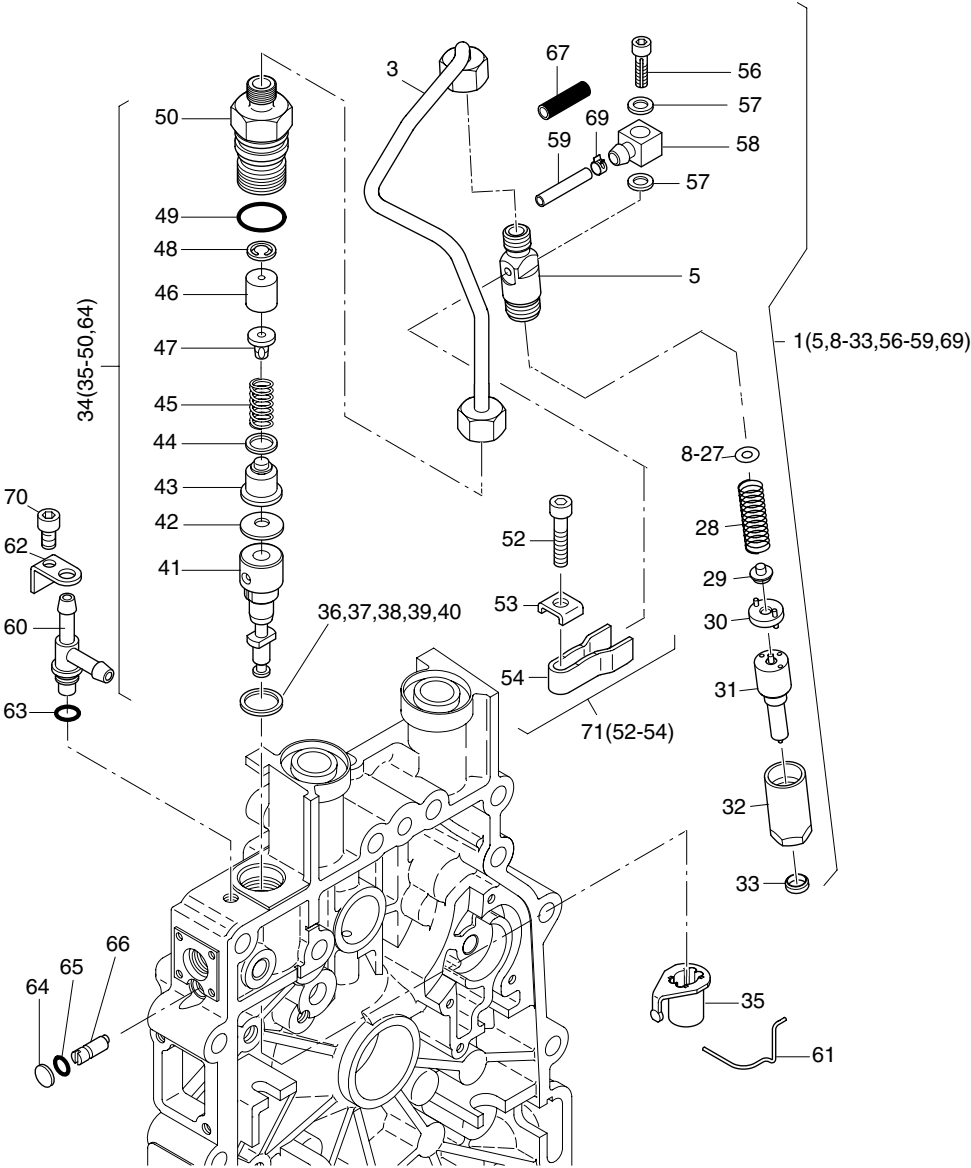


Fig.- No.	HATZ Ident-No.	Qty. St�ck	W d / D	Notes Bemerkungen
1B30				
EPA IV				
56	0000 042 819 01	1	D1	M 4 X 14
57	0000 501 108 00	2		A4 x 8 DIN 7603-Cu
58	0000 051 290 00	1		
59	0000 042 820 00	1		2,5 x 245
60	0000 017 568 00	1		
61	0000 041 618 00	1		
62	0000 053 907 00	1		
63	0000 501 543 00	1		7,5 x 1,5
64	0000 504 760 00	1		8 DIN 470 Al
65	0000 503 301 00	1		4 x 1,2
66	0000 040 977 10	1		
67	0000 052 679 01	1		185 mm
69	0000 505 779 00	1		� 6
70	0000 505 470 00	1		M 5 x 25 DIN 912 - 8.8 A3C Tuf.
71	0000 025 693 00	1		

Recoil starter
Reversierstarter
Demarreur reversible
Arrancador reversible
Avviamento a strappo

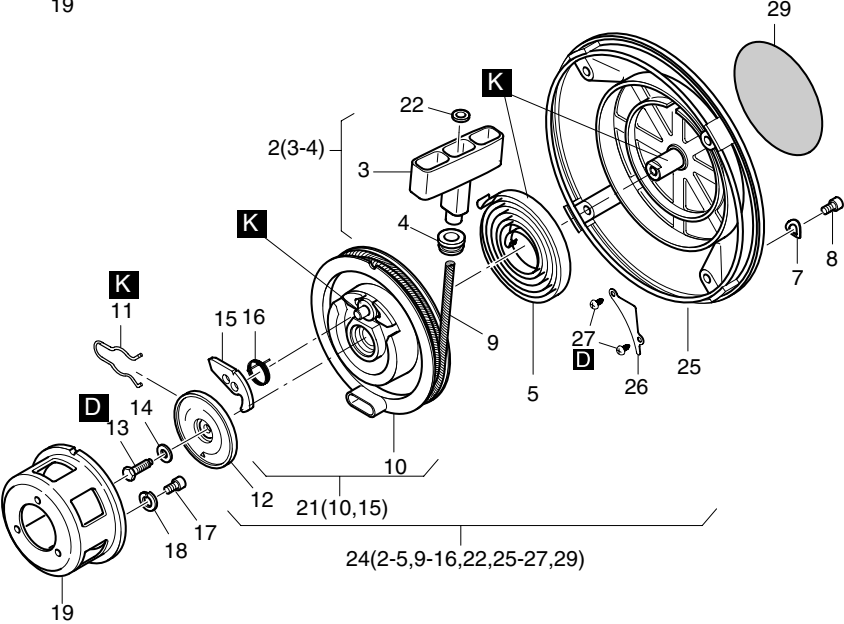
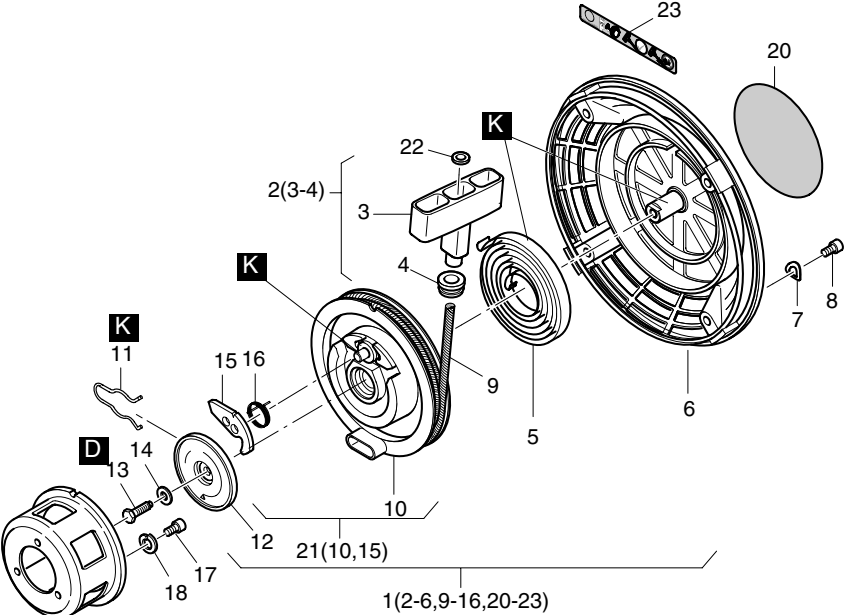


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 023 191 00	1	1	1	1		
2	0000 014 978 00	1	1	1	1		
3	-----	-	-	-	-		
4	0000 036 652 00	1	1	1	1		
5	0000 050 452 02	1	1	1	1		
6	0000 015 693 10	1	1	1	1		
7	0000 500 812 00	4	4	4	4		A 6 DIN 137 - A3C
8	0000 501 491 00	4	4	4	4		M 6 x 12 DIN 912-8.8A3C
9	0000 019 290 00	1	1	1	1		2040 mm
10	-----	-	-	-	-		
11	0000 050 449 01	1	1	1	1		
12	0000 050 450 02	1	1	1	1		
13	0000 501 463 00	1	1	1	1		M 6 x 18 DIN 933-8.8 A3C
14	0000 503 907 01	1	1	1	1		6 DIN 6796 - 6 - FST ZN
15	0000 050 448 00	1	1	1	1		
16	0000 050 613 00	1	1	1	1		LR / R36 / R47
17	0000 500 627 00	3	3	3	3		M 6 x 10 DIN 912-8.8 A3C
18	0000 501 709 00	3	3	3	3		6 DIN 128 - A3C
19	0000 041 550 00	1	1	1	1		
20	0000 051 091 03	1	1	1	1		
21	0000 015 488 00	1	1	1	1		
22	0000 505 146 00	1	1	1	1		5,3 DIN 9021 PA 6.6
23	0000 053 338 01	1	1	1	1		
24	0000 018 872 01	-	-	-	0... 1		„SILENT“
25	0000 019 399 00	-	-	-	0... 1		„SILENT“
26	0000 053 120 00	-	-	-	0... 1		„SILENT“
27	0000 503 349 00	-	-	-	0... 2		B 4,2 x 9,5 DIN 7981 A3C
29	0000 053 097 01	-	-	-	0... 1		„SILENT“

M26a

Air ducting - 1B20 / 27
 Luftführung - 1B20 / 27
 Carter ventilation - 1B20 / 27
 Conducción de aire - 1B20 / 27
 Carter ventilatore - 1B20 / 27

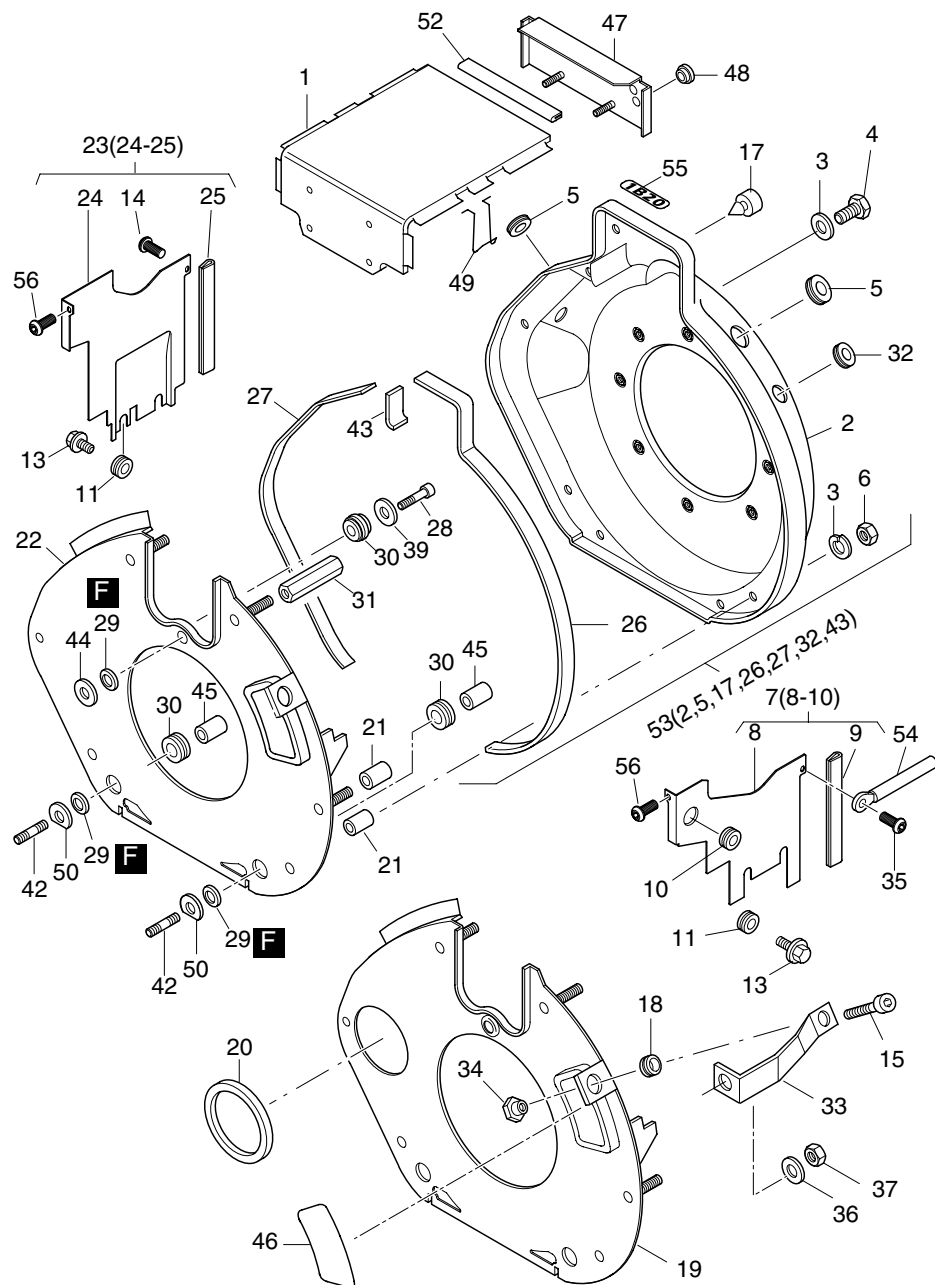


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV
1	0000 015 335 04	1	-	1
1	0000 022 526 00	-	1	-
2	-----	-	-	-
3	0000 501 709 00	7	7	7
4	0000 501 463 00	1	1	1
5	0000 504 617 00	2	2	2
6	0000 501 444 00	6	6	6
7	0000 013 166 00	1	1	1
8	-----	-	-	-
9	0000 040 976 00	1	1	1
10	0000 503 348 00	1	1	1
11	0000 501 638 01	4	4	4
13	0000 504 454 01	3	3	3
14	0000 506 628 00	1	1	1
15	0000 501 707 00	1	1	1
17	0000 503 926 11	0...2	0...2	0...2
18	0000 503 928 00	1	1	1
19	0000 016 070 11	1	-	1
20	0000 040 995 00	1	-	1
21	0000 041 390 00	5	5	5
22	0000 016 071 11	1	1	1
23	0000 013 165 00	1	1	1
24	-----	-	-	-
25	0000 040 976 00	1	1	1
26	0000 051 893 10	1	1	1
27	0000 053 715 10	1	1	1
28	0000 501 708 00	1	1	1
29	0000 035 755 00	3	3	3
30	0000 013 783 00	3	3	3
31	0000 041 244 00	1	1	1
32	0000 504 533 00	1	1	1
33	0000 015 995 00	1	1	1
34	0000 041 232 00	1	1	1
35	0000 506 628 00	1	1	1
36	0000 500 951 00	1	1	1
37	0000 501 480 00	1	1	1
39	0000 501 709 00	1	1	1
42	0000 504 581 00	2	-	2
42	0000 504 685 00	-	2	-
43	0000 050 073 00	1	1	1
44	0000 040 420 00	1	1	1
45	0000 041 390 00	2	2	2
46	0000 042 151 00	0...1	-	0...1
47	0000 015 793 00	1	1	1
48	0000 503 348 00	2	2	2
49	0000 051 441 00	1	1	1
50	0000 041 453 00	2	2	2
52	0000 051 434 00	1	1	1
53	0000 018 311 02	1	1	1

6 DIN 128 - A3C
 M 6 x 18 DIN 933-8.8 A3C
 M 6 DIN 934 - 8 A3C
 107 mm
 M 4 x 10 ST A3C
 M 6 x 14
 M 6 x 16 DIN 912-8.8A3C
 E-Start
 6,5 x 12 x 18
 107 mm
 505 mm
 410 mm
 M 6 x 25 DIN 912-8.8A3C
 57 mm
 M 6
 M 6 x 14
 A 8 DIN 137 A3C
 M 8 DIN 934-8 A3B
 6 DIN 128 - A3C
 M 6 x 45 DIN 835 - 8.8 A3B
 M 6 x 45 DIN 835 - 8.8 A3B SG
 48 mm
 6,5 x 22,5 x 1
 6,5 x 12 x 18
 106mm

M26a

Air ducting - 1B20 / 27
Luftführung - 1B20 / 27
Carter ventilation - 1B20 / 27
Conducción de aire - 1B20 / 27
Carter ventilatore - 1B20 / 27

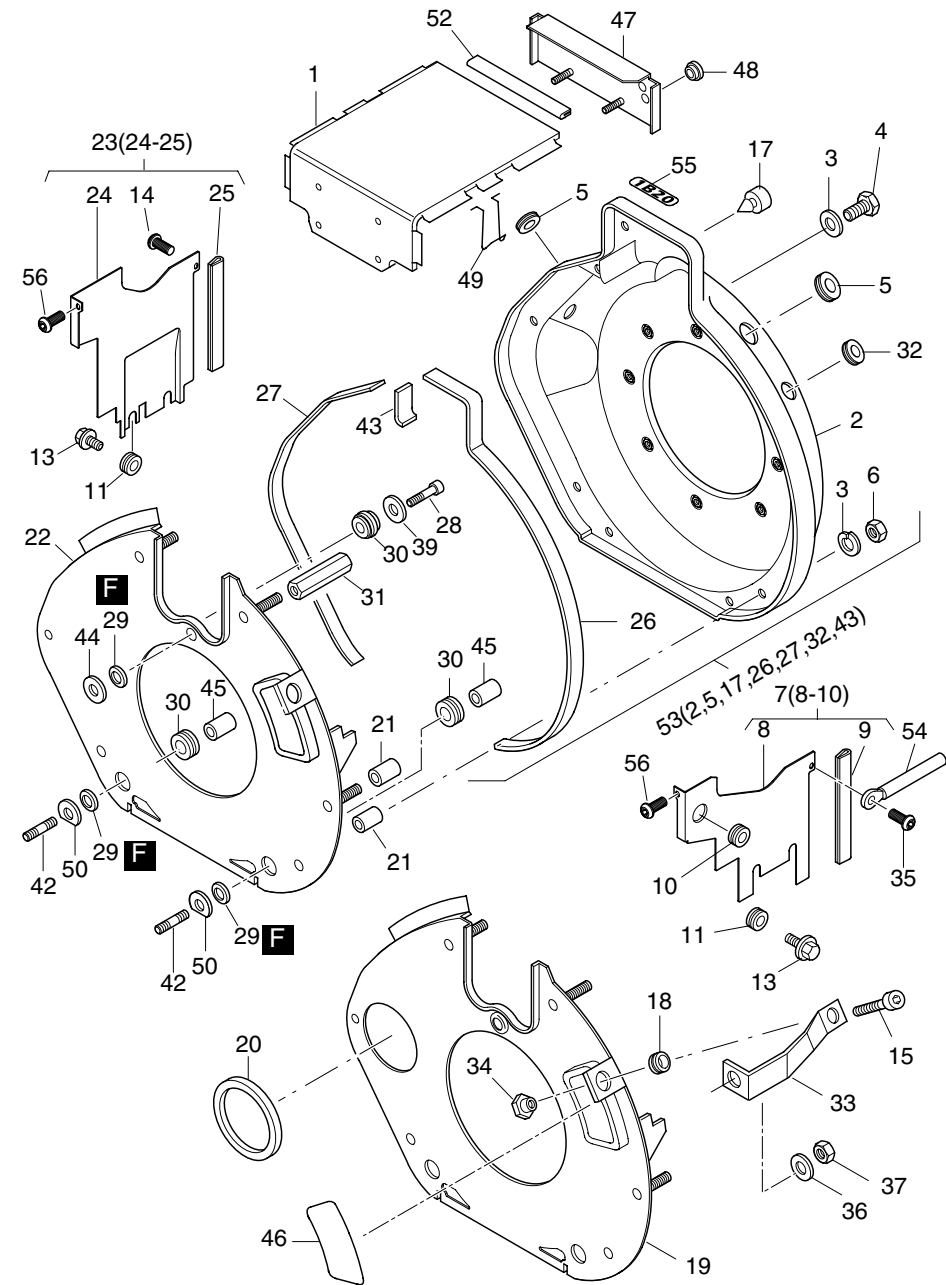


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV
54	0000 050 012 00	0... 1	0... 1	0... 1
55	0000 053 139 00	1	1	-
55	0000 053 140 00	-	-	1
56	0000 506 628 00	2	2	2

1B20
1B27
M 6 x 14

Air ducting - 1B30
 Luftführung - 1B30
 Carter ventilation - 1B30
 Conducción de aire - 1B30
 Carter ventilatore - 1B30

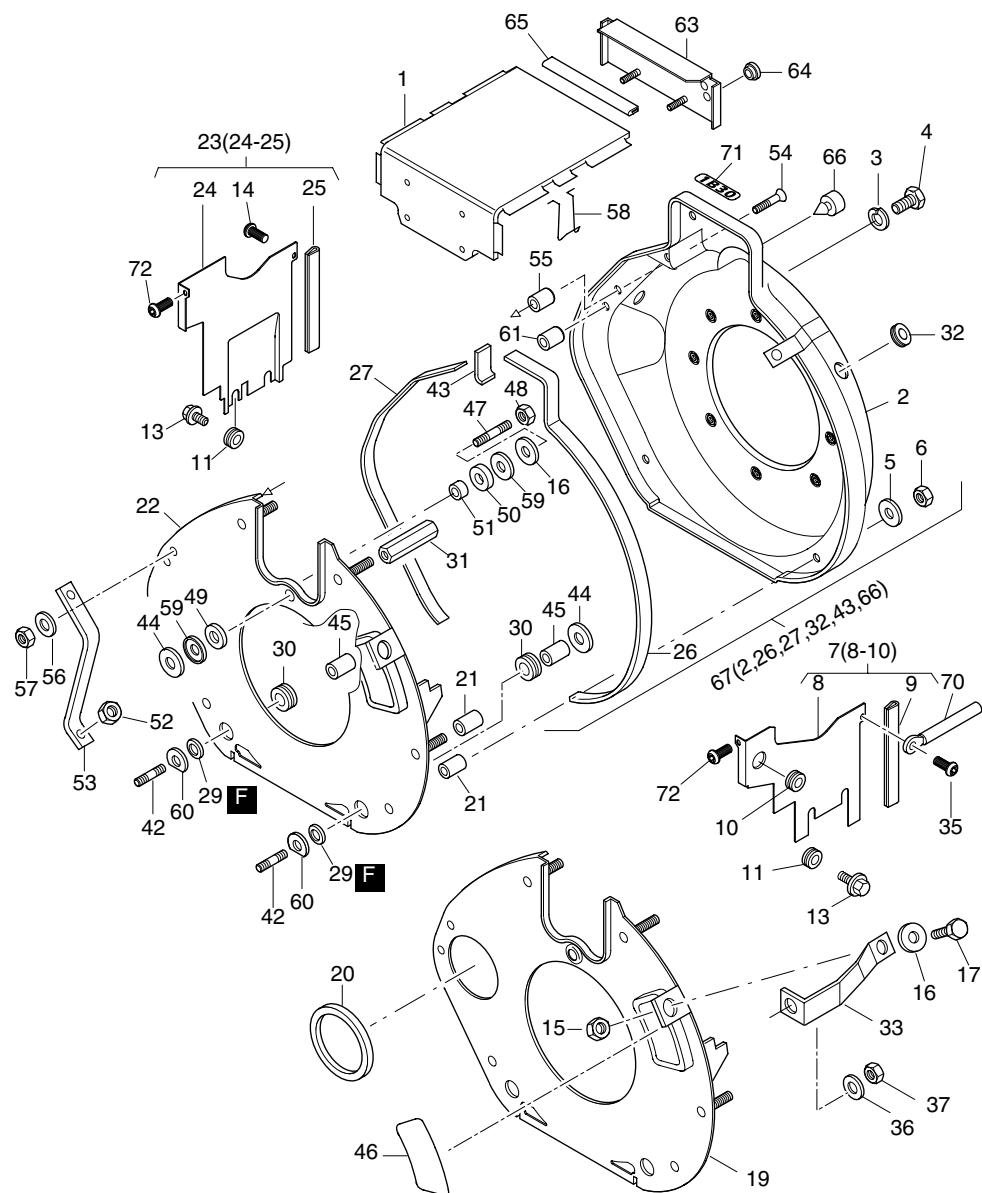


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1B30				
EPA IV				
1	0000 015 514 01	1		
2	-----	-		
3	0000 501 709 00	1		6 DIN 128 - A3C
4	0000 501 463 00	1		M 6 x 18 DIN 933-8.8 A3C
5	0000 501 200 00	2		A 6,4 DIN 9021-St A3C
6	0000 506 749 00	6		M6 DIN 6927-8 A3B
7	0000 013 263 00	1		
8	-----	-		
9	0000 051 289 00	1		80 mm
10	0000 503 348 00	1		
11	0000 501 638 01	3		
13	0000 504 454 01	3		M 4 x 10 ST A3C
14	0000 506 628 00	1		M 6 x 14
15	0000 501 444 00	1		M 6 DIN 934 - 8 A3C
16	0000 501 143 00	2		6,4 x 17 x 3 DIN 7349 A3C
17	0000 501 771 00	1		M 6 x 16 DIN 933-8.8 A3C
19	0000 013 268 10	1		E-Start
20	0000 040 995 00	1		
21	0000 051 975 00	4		6,5 x 12 x 20
22	0000 013 267 10	1		
23	0000 013 262 00	1		
24	-----	-		
25	0000 041 115 00	1		119 mm
26	0000 051 081 01	1		530 mm
27	0000 041 246 01	1		443mm
29	0000 035 755 00	2		
30	0000 013 783 00	2		
31	0000 051 981 00	1		59 mm
32	0000 504 533 00	1		
33	0000 015 996 10	1		
35	0000 506 628 00	1		M 6 x 14
36	0000 500 951 00	1		A 8 DIN 137 A3C
37	0000 501 480 00	1		M 8 DIN 934-8 A3B
42	0000 504 581 00	2		M 6 x 45 DIN 835 - 8.8 A3B
43	0000 051 982 00	1		48 mm
44	0000 040 420 00	3		6,5 x 22,5 x 1
45	0000 040 984 00	2		7 x 12 x 16,3
46	0000 042 150 00	0... 1		
47	0000 504 644 02	1		M 6 x 30 DIN 939- 8.8 A3C Tuf.
48	0000 503 283 00	1		VM 6 DIN 980-8 A3C
49	0000 051 338 00	1		16 x 25 x 4
50	0000 051 339 00	1		16 x 25 x 8
51	0000 051 327 00	1		6,5 x 17 x 11,5
52	0000 501 480 00	1		M 8 DIN 934-8 A3B
53	0000 051 330 01	1		
54	0000 504 450 00	1		M 6 x 35 DIN 7991 - 8.8 A3C
55	0000 051 328 10	1		7 x 12 x 18,3
56	0000 501 709 00	1		6 DIN 128 - A3C
57	0000 501 444 00	1		M 6 DIN 934 - 8 A3C

Air ducting - 1B30
Luftführung - 1B30
Carter ventilation - 1B30
Conducción de aire - 1B30
Carter ventilatore - 1B30

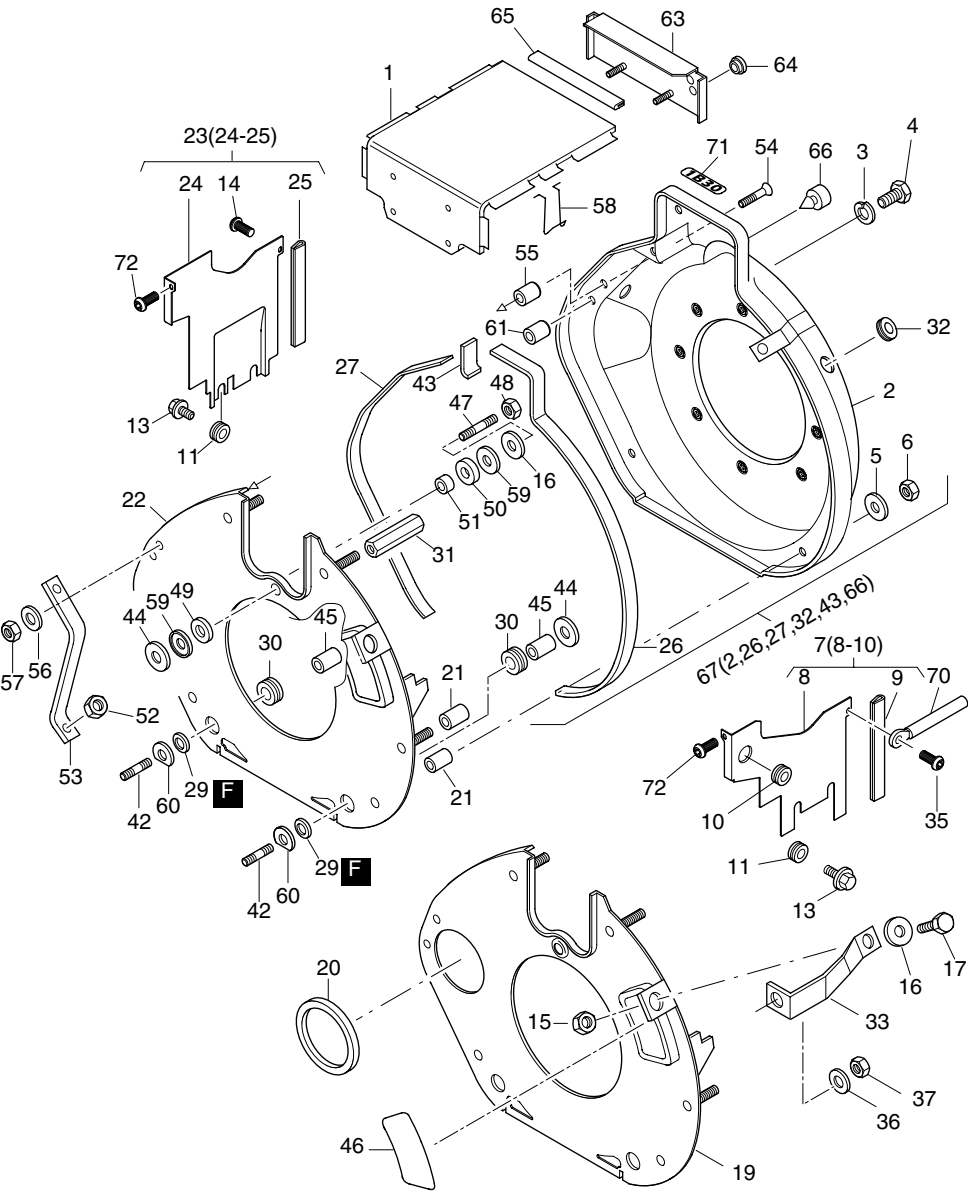


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1B30				
EPA IV				
58	0000 051 458 00	1		
59	0000 050 976 00	2		8,5 - 27
60	0000 041 453 00	2		
61	0000 051 328 10	1		7 x 12 x 18,3
63	0000 016 035 00	1		
64	0000 503 348 00	2		
65	0000 052 190 00	1		118mm
66	0000 503 926 11	0... 4		
67	0000 018 312 01	1		
70	0000 050 012 00	0... 1		
71	0000 053 141 01	1		1B30
72	0000 506 628 00	2		M 6 x 14

Crankcase breathing system
Kurbelgehäuseentlüftung
Reniflard
Purgador
Sfiato basamento

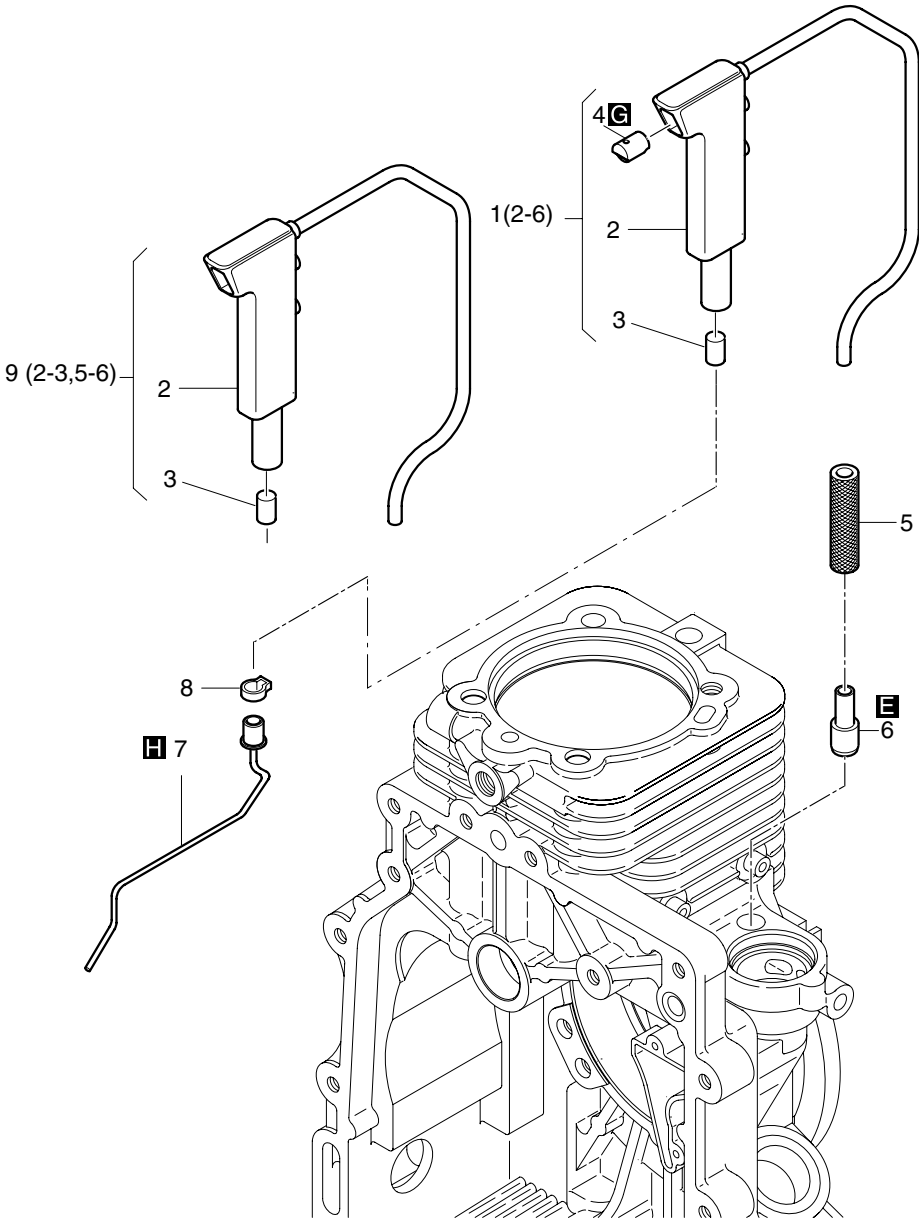


Fig.- No.	HATZ Ident-No.	Qty. Stück			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 018 856 01	0... 1	0... 1	-		
1	0000 018 857 01	-	-	0... 1		
2	-----	-	-	-		
3	0000 051 029 00	1	1	1		Filter, Filtre, Filtro
4	0000 050 981 00	0... 1	0... 1	0... 1		
5	0000 051 562 00	1	1	1		6 x 35
6	0000 053 065 00	1	1	1		
7	0000 015 516 00	1	1	1		
8	0000 504 568 00	1	1	1		Ø 13,7 - 16,2
9	0000 015 564 04	0... 1	0... 1	-		
9	0000 015 992 04	-	-	0... 1		

M31b

Crankcase breathing system
Kurbelgehäuseentlüftung
Reniflard
Purgador
Sfiato basamento

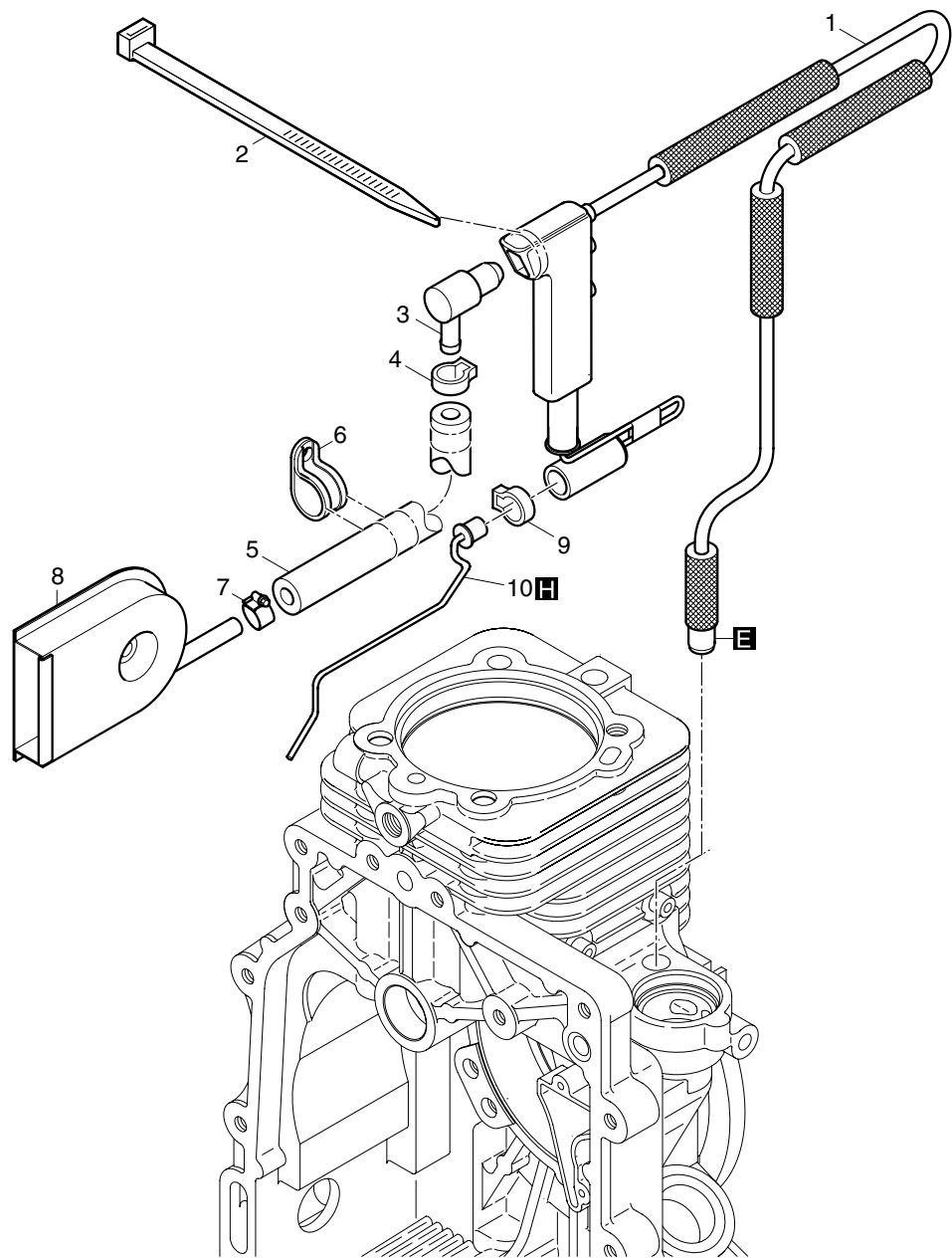


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1B30		
		EPA IV		
1	0000 016 988 11	1		
2	0000 504 395 00	1		2,6 x 200 mm Black
3	0000 019 577 00	1		
4	0000 506 159 00	1		Ø 14,8 - 18,0
5	0000 053 669 01	1		
6	0000 504 605 00	1		Ø 16 x 15 mm
7	0000 400 261 00	1		Ø 10-16
8	0000 019 543 00	1		
9	0000 504 568 00	1		Ø 13,7 - 16,2
10	0000 013 391 00	1		

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

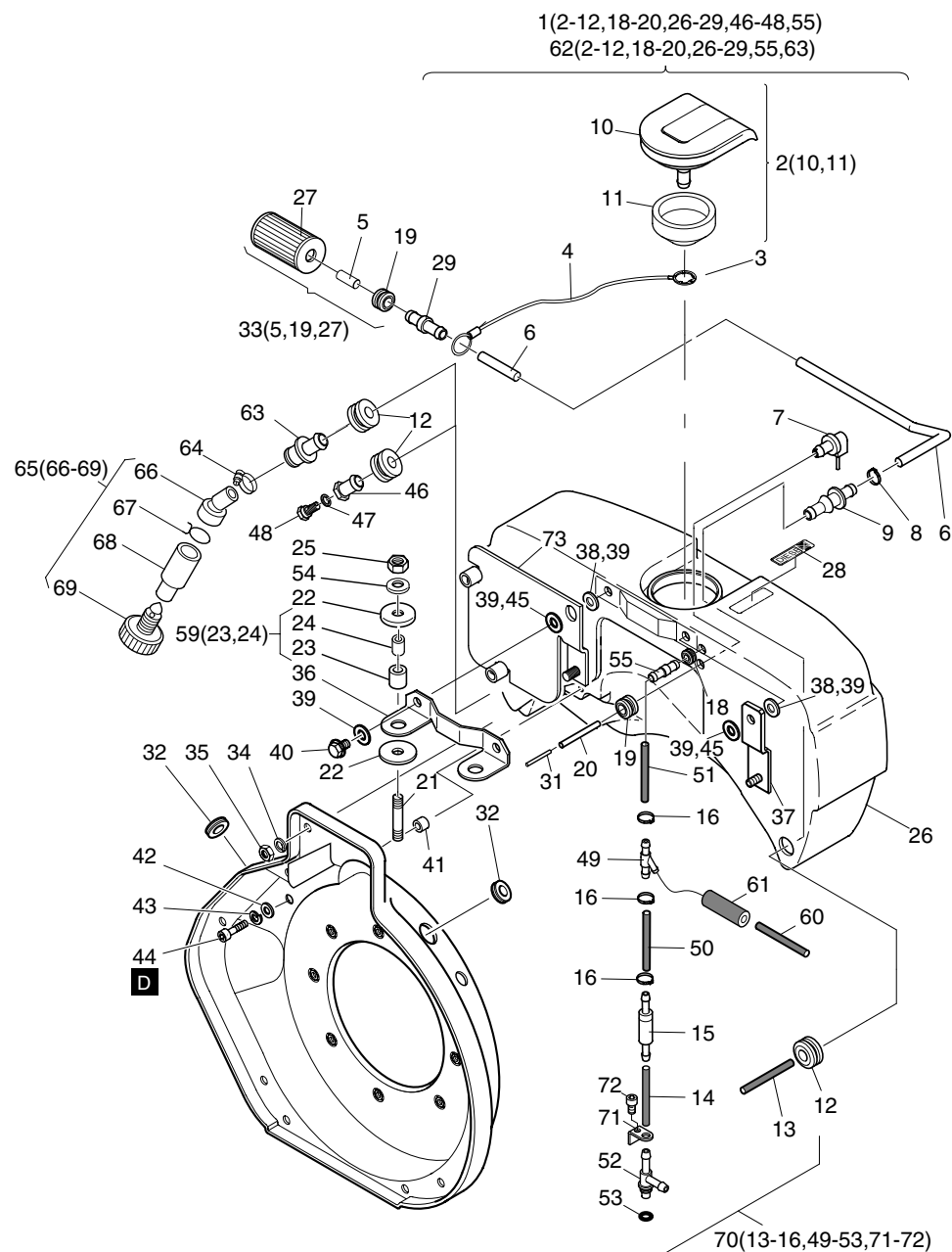


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 015 788 31	1	1	-	3 l
1	0000 015 886 21	-	-	1	5 l
2	0000 015 353 02	1	1	1	kpl. cpl.
3	0000 505 008 00	1	1	1	8 DIN 6799
4	0000 016 289 00	1	1	1	~440mm
5	-----	-	-	-	
6	0000 053 109 01	1	1	-	4 x 260
6	0000 053 110 01	-	-	1	4 x 300
7	0000 015 349 00	1	1	1	
8	0000 503 999 01	1	1	1	Ø 9,5
9	0000 050 840 10	1	1	1	
10	-----	-	-	-	
11	0000 050 864 01	1	1	1	
12	0000 504 408 01	2	2	2	
13	0000 039 621 10	1	1	-	3,5 x 160 mm
13	0000 051 883 10	-	-	1	3,5 x 170 mm
14	0000 053 664 00	1	1	1	6 x 40mm
15	0000 008 055 02	1	1	1	
16	0000 505 709 00	5	5	5	Ø 12,8
18	0000 051 304 01	1	1	1	
19	0000 504 409 02	2	2	2	
20	0000 050 856 02	1	1	1	1,6 x 0,8 x 100
21	0000 502 319 00	2	2	2	M 8 x 25 DIN 835-8.8 A3C
22	0000 051 098 10	4	4	4	8,2 x 22 x 2
23	-----	-	-	-	
24	0000 051 228 00	2	2	2	
25	0000 400 284 00	2	2	2	VM 8 DIN 980-8 C3A
26	-----	-	-	-	
27	-----	-	-	-	
28	0000 052 356 02	1	1	1	„DIESEL“
29	0000 051 890 01	1	1	1	
31	0000 050 855 00	1	1	1	2 x 0,3 x 16
32	0000 051 077 00	2	2	-	
33	0000 016 352 10	1	1	1	W2
34	0000 501 709 00	2	2	2	6 DIN 128 - A3C
35	0000 501 444 00	2	2	2	M 6 DIN 934 - 8 A3C
36	0000 051 085 11	1	1	-	
36	0000 051 223 00	-	-	1	
37	0000 013 313 00	1	1	2	
38	0000 501 200 00	2	2	-	A 6,4 DIN 9021-St A3C
39	0000 051 100 10	4	4	4	7,1 x 17,9 x 2
40	0000 016 771 00	2	2	2	M 6 x 20
41	0000 041 188 00	2	2	-	6,5 x 13 x 4,8
42	0000 501 445 00	2	2	4	6,4 DIN 125-St A3C
43	0000 501 709 00	2	2	4	6 DIN 128 - A3C
44	0000 501 707 00	2	2	-	M 6 x 16 DIN 912-8.8A3C
44	0000 501 491 00	-	-	4	M 6 x 12 DIN 912-8.8A3C
45	0000 501 143 00	-	-	2	6,4 x 17 x 3 DIN 7349 A3C
46	0000 052 357 00	1	1	-	

W2

Z01a

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

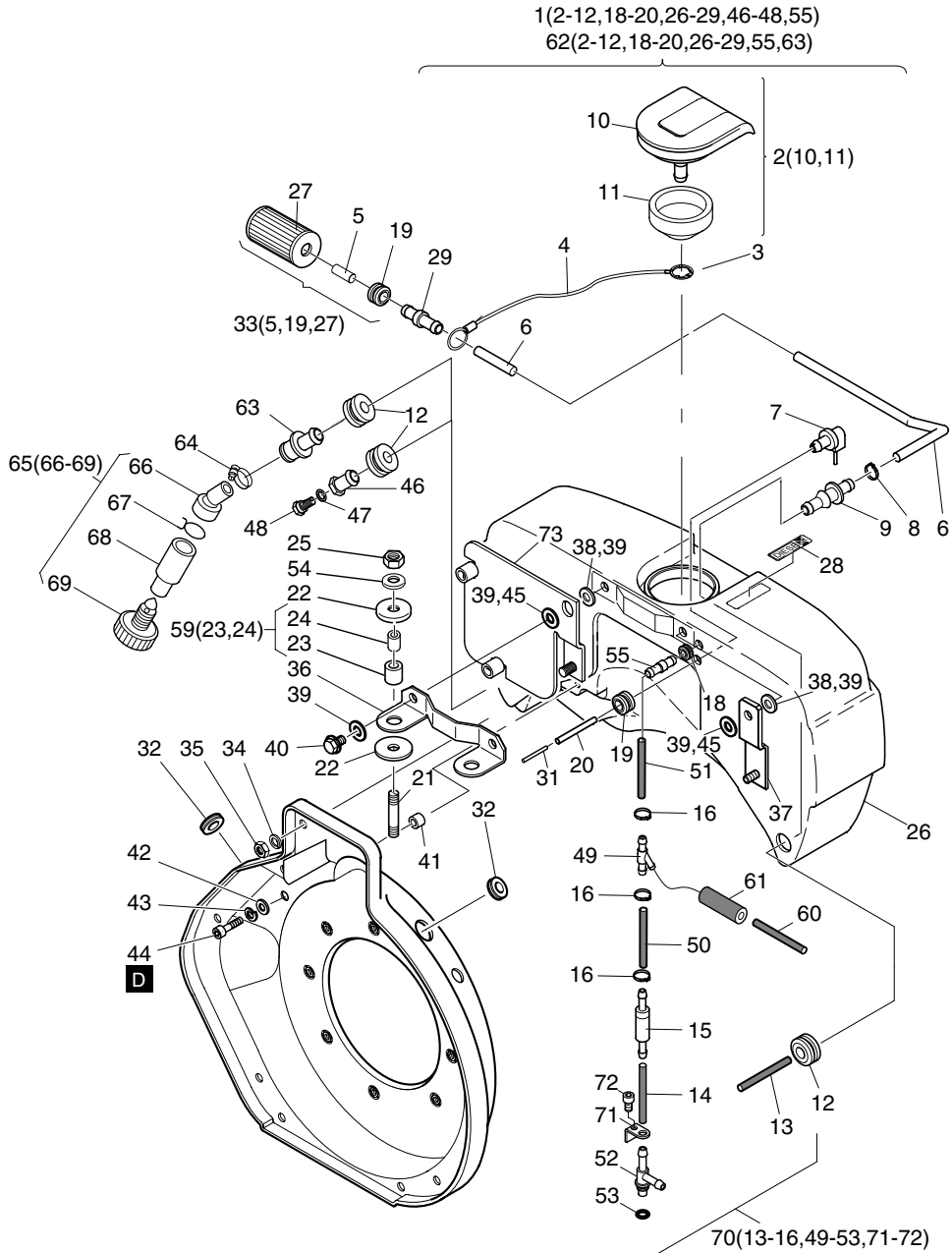


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
46	0000 051 882 00	-	-	1	
47	0000 503 131 00	1	1	1	A 6 x 10 DIN 7603-Cu.
48	0000 036 136 00	1	1	1	M 6 A3C
49	0000 051 756 02	1	1	1	
50	0000 053 105 00	1	1	-	5 x 80
50	0000 038 071 10	-	-	1	5 x 150
51	0000 040 604 10	1	1	-	5 x 100
51	0000 051 368 10	-	-	1	5 x 90
52	0000 017 568 00	1	1	1	
53	0000 501 543 00	1	1	1	D1
54	0000 501 481 00	2	2	2	7,5 x 1,5
55	0000 051 844 00	1	1	1	8,4 DIN 125-St A3C
59	0000 016 558 00	2	2	2	
60	0000 052 150 01	1	1	-	2,5 x 195
60	0000 042 820 00	-	-	1	2,5 x 245
61	0000 052 130 10	1	1	1	7 x 25
62	0000 016 502 11	1	1	-	3 l für Wasserabscheider
62	0000 016 667 11	-	-	1	5 l für Wasserabscheider
63	0000 052 358 00	1	1	-	
63	0000 051 723 00	-	-	1	
64	0000 504 480 00	1	1	1	Ø9 x 12,5 DIN3017-W1
65	0000 015 194 02	1	1	1	
66	0000 050 440 02	1	1	1	
67	0000 050 369 00	1	1	1	ø 25
68	0000 050 439 02	1	1	1	
69	0000 504 148 00	1	1	1	M 10
70	0000 022 988 00	1	1	-	
70	0000 022 987 00	-	-	1	
71	0000 053 907 00	1	1	1	
72	0000 505 470 00	1	1	1	M 5 x 25 DIN 912 - 8.8 A3C Tuf.
73	0000 025 226 01	1	1	-	

Z01b

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

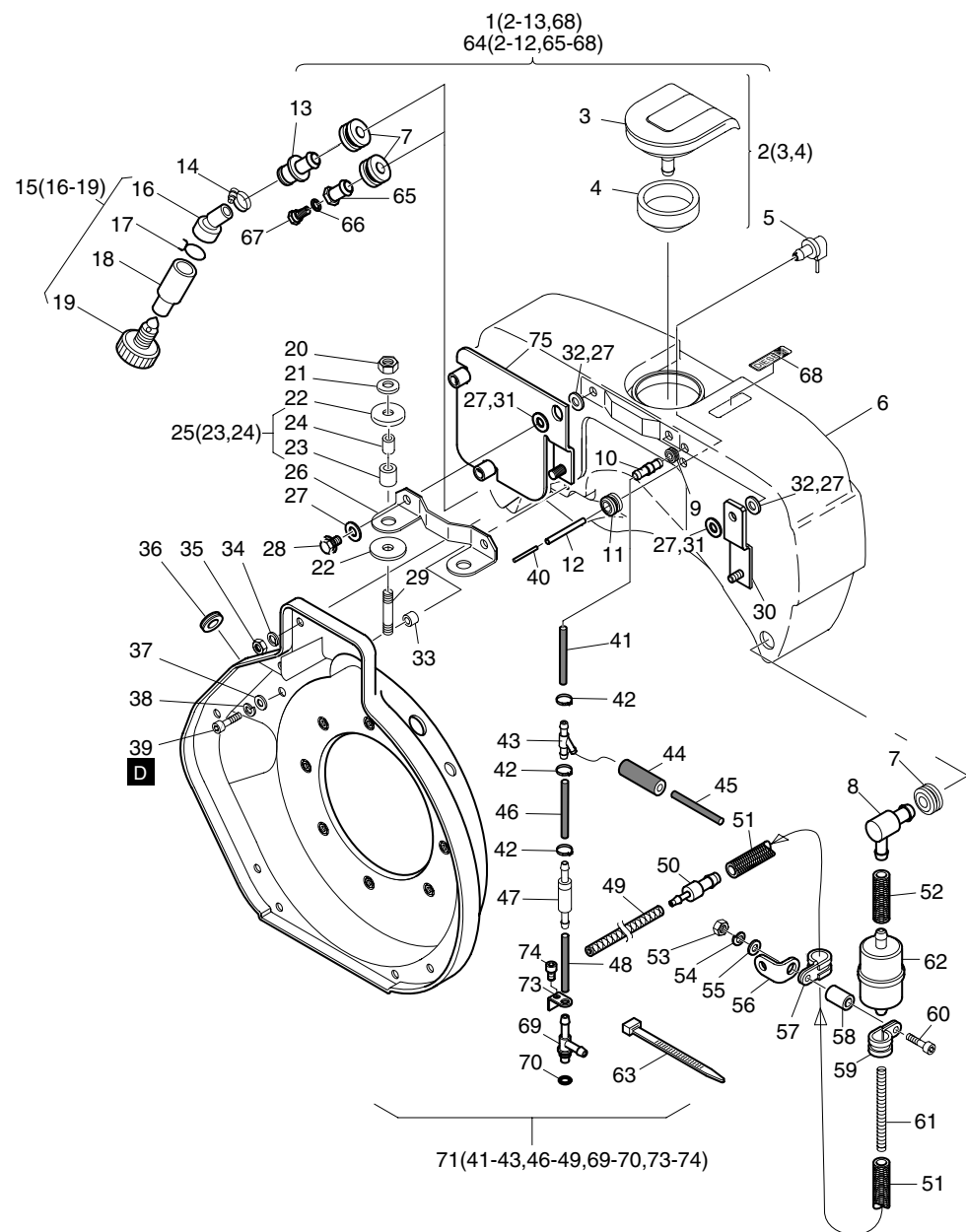


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 017 031 00	1	1	-	3 l
1	0000 017 032 00	-	-	1	5 l
2	0000 015 353 02	1	1	1	kpl. cpl.
3	-----	-	-	-	
4	0000 050 864 01	1	1	1	
5	0000 015 349 00	1	1	1	
6	-----	-	-	-	
7	0000 504 408 01	2	2	2	
8	0000 017 948 10	1	1	1	
9	0000 051 304 01	1	1	1	
10	0000 051 844 00	1	1	1	
11	0000 504 409 02	1	1	1	
12	0000 050 856 02	1	1	1	1,6 x 0,8 x 100
13	0000 052 358 00	1	1	-	
13	0000 051 723 00	-	-	1	
14	0000 504 480 00	1	1	1	Ø9 x 12,5 DIN3017-W1
15	0000 015 194 02	1	1	1	
16	0000 050 440 02	1	1	1	
17	0000 050 369 00	1	1	1	ø 25
18	0000 050 439 02	1	1	1	
19	0000 504 148 00	1	1	1	M 10
20	0000 400 284 00	2	2	2	VM 8 DIN 980-8 C3A
21	0000 501 481 00	2	2	2	8,4 DIN 125-St A3C
22	0000 051 098 10	4	4	4	8,2 x 22 x 2
23	-----	-	-	-	
24	0000 051 228 00	2	2	2	
25	0000 016 558 00	2	2	2	
26	0000 051 085 11	1	1	-	
26	0000 051 223 00	-	-	1	
27	0000 051 100 10	4	4	4	7,1 x 17,9 x 2
28	0000 016 771 00	2	2	2	M 6 x 20
29	0000 502 319 00	2	2	2	M 8 x 25 DIN 835-8.8 A3C
30	0000 013 313 00	1	1	2	
31	0000 501 143 00	-	-	2	6,4 x 17 x 3 DIN 7349 A3C
32	0000 501 200 00	2	2	-	A 6,4 DIN 9021-St A3C
33	0000 041 188 00	2	2	-	6,5 x 13 x 4,8
34	0000 501 709 00	2	2	2	6 DIN 128 - A3C
35	0000 501 444 00	2	2	2	M 6 DIN 934 - 8 A3C
36	0000 051 077 00	2	2	-	
37	0000 501 445 00	2	2	4	6,4 DIN 125-St A3C
38	0000 501 709 00	2	2	4	6 DIN 128 - A3C
39	0000 501 707 00	2	2	-	M 6 x 16 DIN 912-8.8A3C
39	0000 501 491 00	-	-	4	M 6 x 12 DIN 912-8.8A3C
40	0000 050 855 00	1	1	1	2 x 0,3 x 16
41	0000 040 604 10	1	1	-	5 x 100
41	0000 051 368 10	-	-	1	5 x 90
42	0000 505 709 00	3	3	3	Ø 12,8
43	0000 051 756 02	1	1	1	
44	0000 052 130 10	1	1	1	7 x 25

Z01b

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

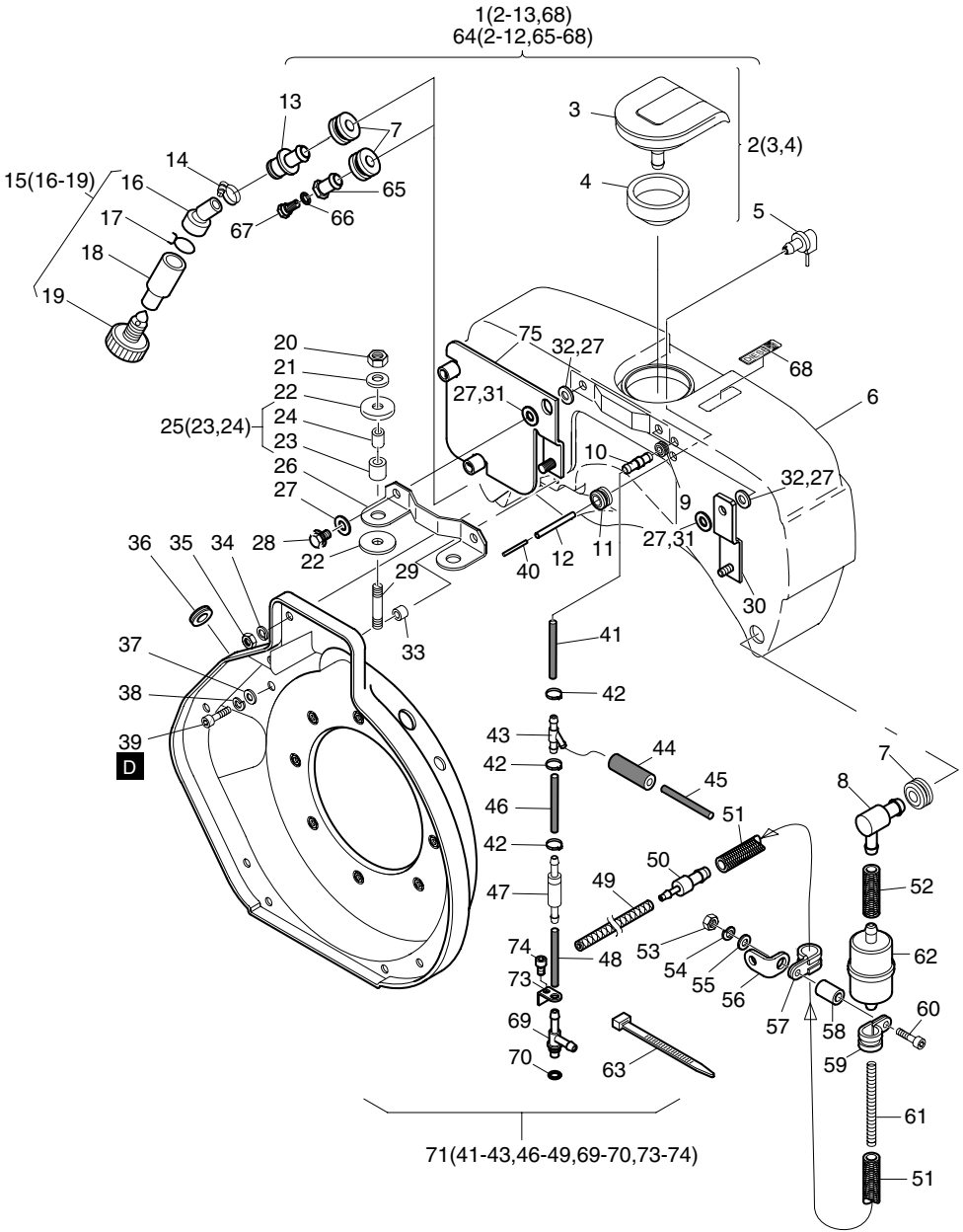


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
45	0000 052 150 01	1	1	-	2,5 x 195
45	0000 042 820 00	-	-	1	2,5 x 245
46	0000 053 105 00	1	1	-	5 x 80
46	0000 038 071 10	-	-	1	5 x 150
47	0000 008 055 02	1	1	1	
48	0000 053 664 00	1	1	1	6 x 40mm
49	0000 039 621 10	1	1	-	3,5 x 160 mm
49	0000 051 883 10	-	-	1	3,5 x 170 mm
50	0000 053 068 00	1	1	1	
51	0000 051 166 01	1	1	1	7,3 x 260
52	0000 053 239 01	1	1	1	7,3 x 50
53	0000 501 444 00	1	1	1	M 6 DIN 934 - 8 A3C
54	0000 501 709 00	1	1	1	6 DIN 128 - A3C
55	0000 501 445 00	1	1	1	6,4 DIN 125-St A3C
56	0000 035 439 00	1	1	1	
57	0000 501 584 00	1	1	1	14 / 15
58	0000 041 390 00	1	1	1	6,5 x 12 x 18
59	0000 501 584 00	1	1	1	14 / 15
60	0000 501 827 00	1	1	1	M 6 X 40 DIN 912-8.8 A3C
61	0000 032 106 02	1	1	1	
62	0000 504 788 00	1	1	1	
63	0000 503 584 00	2	2	2	4,8 x 200 mm Black
64	0000 018 130 00	1	1	-	3l
64	0000 018 132 00	-	-	1	5l
65	0000 052 357 00	1	1	-	
65	0000 051 882 00	-	-	1	
66	0000 503 131 00	1	1	1	A 6 x 10 DIN 7603-Cu.
67	0000 036 136 00	1	1	1	M 6 A3C
68	0000 052 356 02	1	1	1	„DIESEL“
69	0000 017 568 00	1	1	1	
70	0000 501 543 00	1	1	1	D1 7,5 x 1,5
71	0000 022 988 00	1	1	-	
71	0000 022 987 00	-	-	1	
73	0000 053 907 00	1	1	1	
74	0000 505 470 00	1	1	1	M 5 x 25 DIN 912 - 8.8 A3C Tuf.
75	0000 025 226 00	1	1	-	

Z01c

Fuel
Kraftstoff - Doppelfilter
Carburant
Combustible
Serbatoio

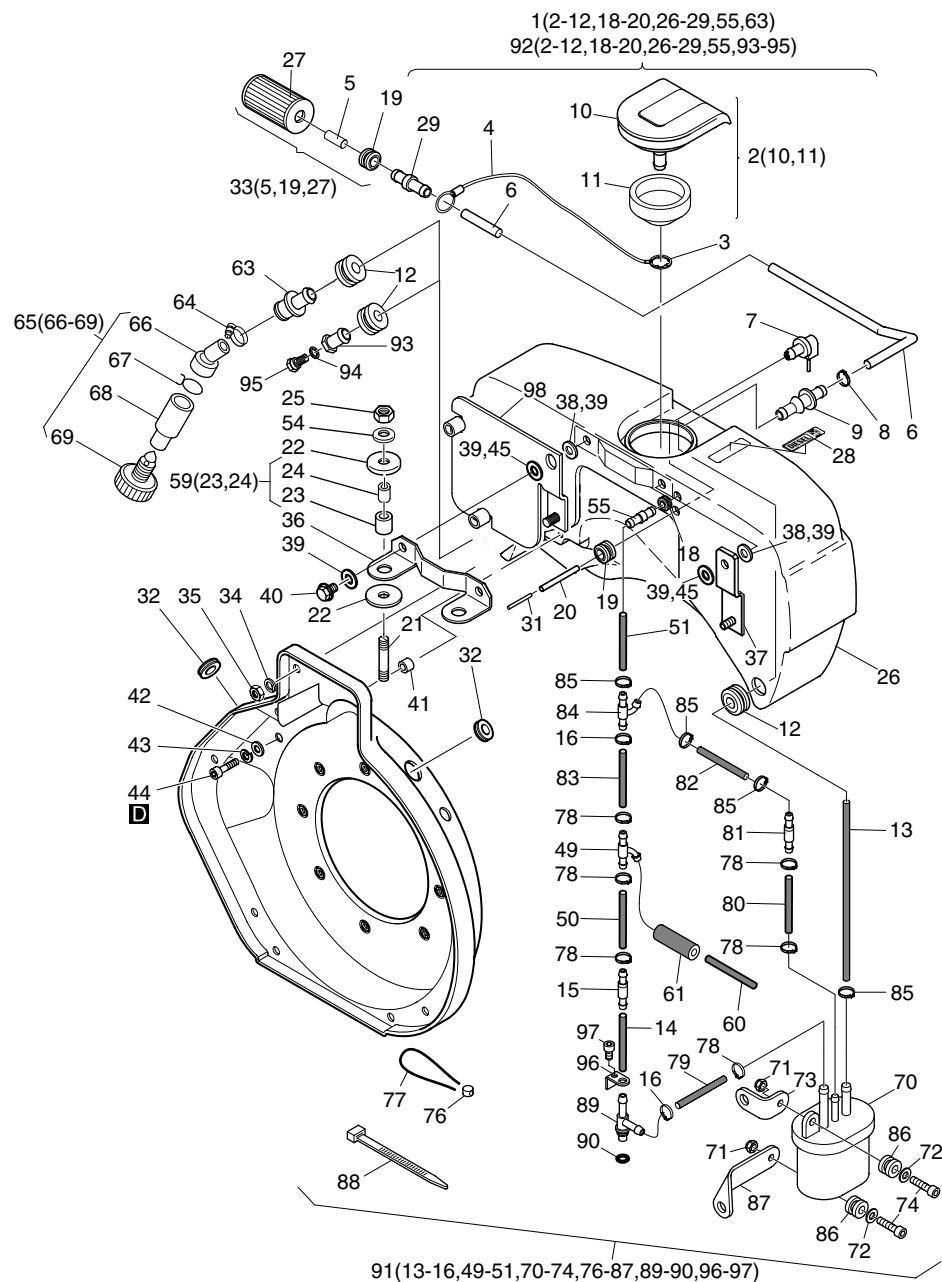


Fig.- No.	HATZ Ident-No.		Qty. Stück		W d / D	Notes Bemerkungen
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 016 502 11	1	1	-		3 l für Wasserabscheider
1	0000 016 667 11	-	-	1		5 l für Wasserabscheider
2	0000 015 353 02	1	1	1		kpl. cpl.
3	0000 505 008 00	1	1	1		8 DIN 6799
4	0000 016 289 00	1	1	1		~440mm
5	-----	-	-	-		
6	0000 053 109 01	1	1	-		4 x 260
6	0000 053 110 01	-	-	1		4 x 300
7	0000 015 349 00	1	1	1		
8	0000 503 999 01	1	1	1		Ø 9,5
9	0000 050 840 10	1	1	1		
10	-----	-	-	-		
11	0000 050 864 01	1	1	1		
12	0000 504 408 01	2	2	2		
13	0000 053 476 00	1	1	1		3,5 x 215
14	0000 053 664 00	1	1	1		6 x 40mm
15	0000 015 346 01	1	1	1		
16	0000 505 900 00	2	2	2		Ø 12,0
18	0000 051 304 01	1	1	1		
19	0000 504 409 02	2	2	2		
20	0000 050 856 02	1	1	1		1,6 x 0,8 x 100
21	0000 502 319 00	2	2	2		M 8 x 25 DIN 835-8.8 A3C
22	0000 051 098 10	4	4	4		8,2 x 22 x 2
23	-----	-	-	-		
24	0000 051 228 00	2	2	2		
25	0000 400 284 00	2	2	2		VM 8 DIN 980-8 C3A
26	-----	-	-	-		
27	-----	-	-	-		
28	0000 052 356 02	1	1	1		„DIESEL“
29	0000 051 890 01	1	1	1		
31	0000 050 855 00	1	1	1		2 x 0,3 x 16
32	0000 051 077 00	2	2	-		
33	0000 016 352 10	1	1	1	W2	
34	0000 501 709 00	2	2	2		6 DIN 128 - A3C
35	0000 501 444 00	2	2	2		M 6 DIN 934 - 8 A3C
36	0000 051 085 11	1	1	-		
36	0000 051 223 00	-	-	1		
37	0000 013 313 00	1	1	2		
38	0000 501 200 00	2	2	-		A 6,4 DIN 9021-St A3C
39	0000 051 100 10	4	4	4		7,1 x 17,9 x 2
40	0000 016 771 00	2	2	2		M 6 x 20
41	0000 041 188 00	2	2	-		6,5 x 13 x 4,8
42	0000 501 445 00	2	2	4		6,4 DIN 125-St A3C
43	0000 501 709 00	2	2	4		6 DIN 128 - A3C
44	0000 501 707 00	2	2	-		M 6 x 16 DIN 912-8.8A3C
44	0000 501 491 00	-	-	4		M 6 x 12 DIN 912-8.8A3C
45	0000 501 143 00	-	-	2		6,4 x 17 x 3 DIN 7349 A3C
49	0000 051 756 02	1	1	1		
50	0000 053 105 00	1	1	-		5 x 80

Z01c

Fuel
Kraftstoff - Doppelfilter
Carburant
Combustible
Serbatoio

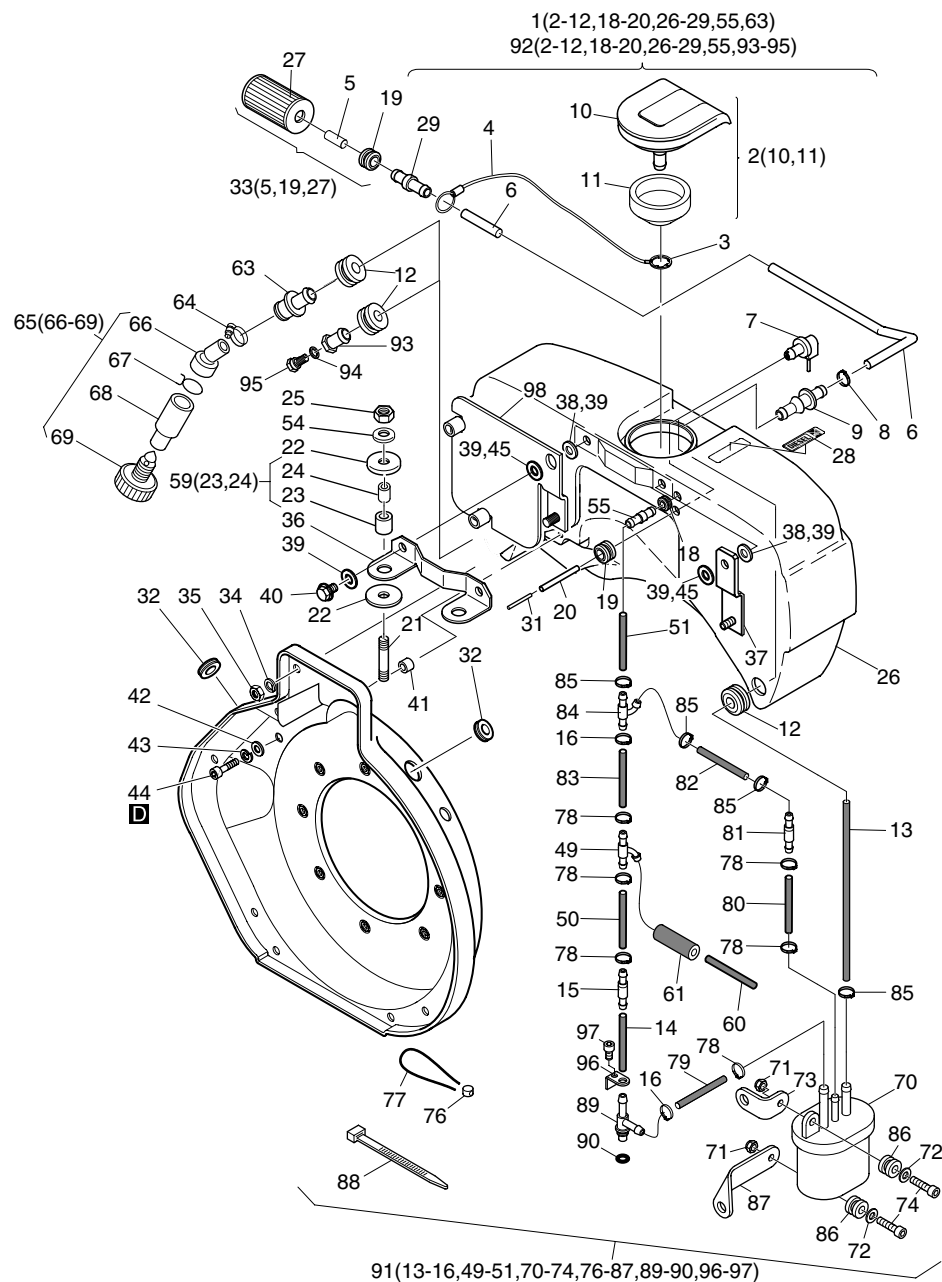


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
50	0000 038 071 10	-	-	1	5 x 150
51	0000 053 069 00	1	1	1	5 x 40
54	0000 501 481 00	2	2	2	8,4 DIN 125-St A3C
55	0000 051 844 00	1	1	1	
59	0000 016 558 00	2	2	2	
60	0000 052 150 01	1	1	-	2,5 x 195
60	0000 042 820 00	-	-	1	2,5 x 245
61	0000 052 130 10	1	1	1	7 x 25
63	0000 052 358 00	1	1	-	
63	0000 051 723 00	-	-	1	
64	0000 504 480 00	1	1	1	Ø9 x 12,5 DIN3017-W1
65	0000 015 194 02	1	1	1	
66	0000 050 440 02	1	1	1	
67	0000 050 369 00	1	1	1	ø 25
68	0000 050 439 02	1	1	1	
69	0000 504 148 00	1	1	1	M 10
70	0000 019 197 02	1	1	1	
71	0000 505 016 00	2	2	2	M 4 DIN 985 - 6 Zn
72	0000 504 416 00	2	2	2	4,3 DIN 9021 - A3C 140HV
73	0000 052 795 00	1	1	1	
74	0000 504 469 00	2	2	2	M 4 X 16 DIN 912-8.8 A3C TUF
76	0000 400 214 01	1	1	1	ø8,5 mm ALU
77	0000 400 215 00	1	1	1	0,5 / 0,3 x 200
78	0000 505 709 00	6	6	6	Ø 12,8
79	0000 036 738 10	1	1	-	5 x 275
79	0000 052 839 10	-	-	1	5 x 285
80	0000 052 839 10	1	1	1	5 x 285
81	0000 008 055 02	1	1	1	
82	0000 036 637 10	1	1	1	5 x 50 mm
83	0000 051 819 10	1	1	-	5 x 35 mm
83	0000 036 638 10	-	-	1	5 x 40 mm
84	0000 051 227 01	1	1	1	
85	0000 503 998 01	4	4	4	Ø 11,3
86	0000 505 566 00	2	2	2	
87	0000 052 794 00	1	1	1	
88	0000 503 584 00	2	2	2	4,8 x 200 mm Black
89	0000 017 568 00	1	1	1	
90	0000 501 543 00	1	1	1	D1 7,5 x 1,5
91	0000 022 992 00	1	1	-	
91	0000 022 993 00	-	-	1	
92	0000 015 788 31	1	1	-	3 l
92	0000 015 886 21	-	-	1	5 l
93	0000 052 357 00	1	1	-	
93	0000 051 882 00	-	-	1	
94	0000 503 131 00	1	1	1	A 6 x 10 DIN 7603-Cu.
95	0000 036 136 00	1	1	1	M 6 A3C
96	0000 053 907 00	1	1	1	
97	0000 505 470 00	1	1	1	M 5 x 25 DIN 912 - 8.8 A3C Tuf
98	0000 025 226 01	1	1	-	

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

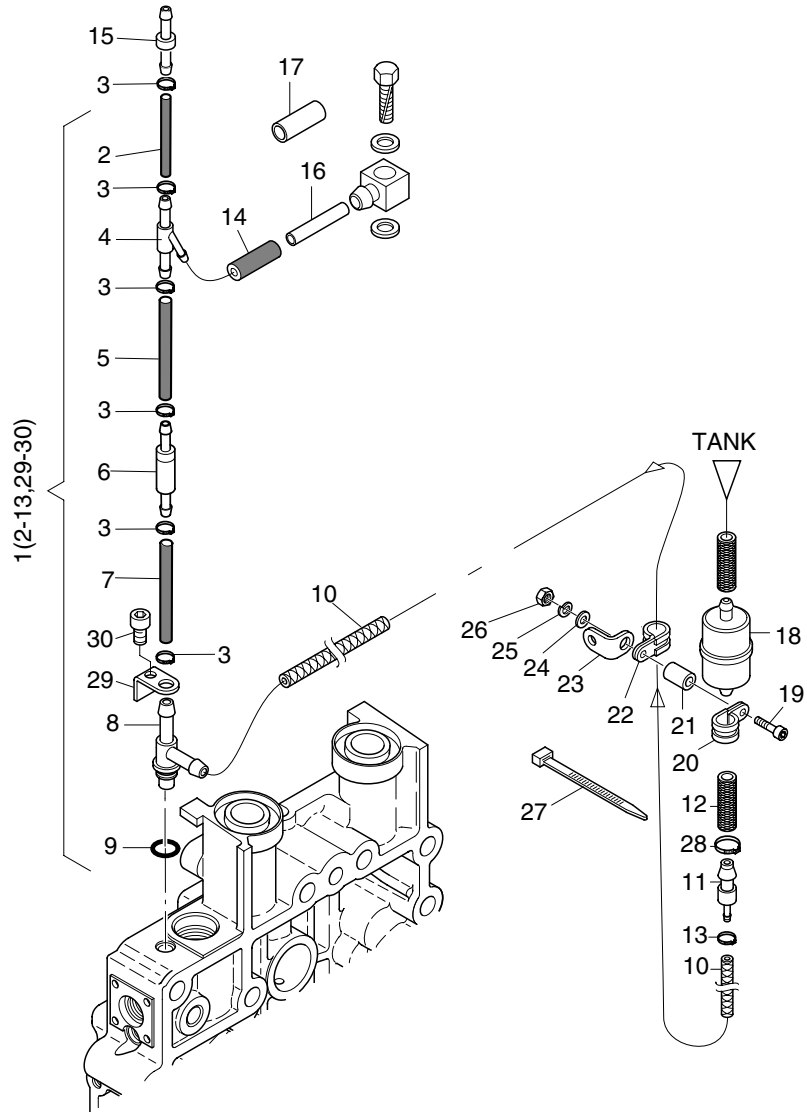


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 022 989 00	1	1	1	-		
1	0000 022 990 00	-	-	-	1		
2	0000 040 604 10	1	1	1	1		5 x 100
3	0000 505 709 00	5	5	5	5		Ø 12,8
4	0000 051 756 02	1	1	1	1		
5	0000 053 105 00	1	1	1	-		5 x 80
5	0000 038 071 10	-	-	-	1		5 x 150
6	0000 008 055 02	1	1	1	1		
7	0000 051 232 00	1	1	1	1		3,5 x 40
8	0000 017 568 00	1	1	1	1		
9	0000 501 543 00	1	1	1	1		7,5 x 1,5
10	0000 038 993 10	1	1	1	-		3,5 x 400 mm
10	0000 052 207 10	-	-	-	1		3,5 x 430
11	0000 053 068 00	1	1	1	1		
12	0000 053 239 00	1	1	1	1		7 x 50
13	0000 503 998 01	1	1	1	1		Ø 11,3
14	0000 052 130 10	1	-	1	-		7 x 25
14	0000 053 664 00	-	-	-	1		6 x 40mm
15	0000 502 796 00	1	-	1	1		
16	0000 052 150 01	1	-	1	-		2,5 x 195
16	0000 042 820 00	-	-	-	1		2,5 x 245
17	0000 052 679 01	-	-	-	1		185 mm
18	0000 504 788 00	1	-	1	1		
19	0000 503 239 00	1	-	1	1		M 6 x 30 DIN 912-8.8A3C
20	0000 501 584 00	1	-	1	1		14 / 15
21	0000 051 327 00	1	-	1	1		6,5 x 17 x 11,5
22	0000 501 735 00	1	-	1	1		10 / 15
23	0000 035 439 00	1	-	1	1		
24	0000 501 445 00	1	-	1	1		6,4 DIN 125-St A3C
25	0000 501 709 00	1	-	1	1		6 DIN 128 - A3C
26	0000 501 444 00	1	-	1	1		M 6 DIN 934 - 8 A3C
27	0000 503 584 00	1	-	1	1		4,8 x 200 mm Black
28	0000 505 238 00	1	1	1	1		Ø 16,0
29	0000 053 907 00	1	1	1	1		
30	0000 505 470 00	1	1	1	1		M 5 x 25 DIN 912 - 8.8 A3C Tuf.

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

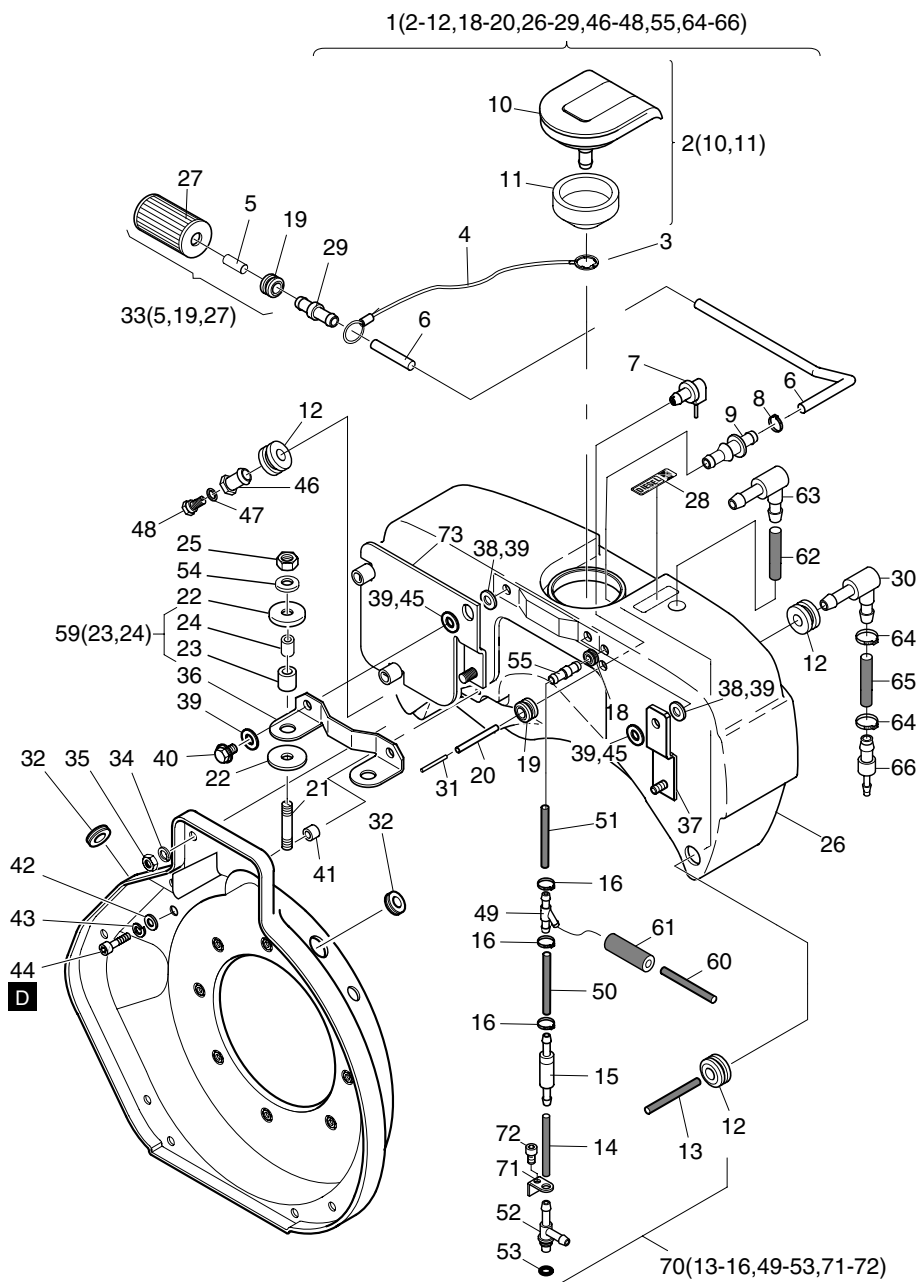


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 016 118 22	1	1	-	3l
1	0000 016 120 22	-	-	1	5l
2	0000 015 353 02	1	1	1	kpl. cpl.
3	0000 505 008 00	1	1	1	8 DIN 6799
4	0000 016 289 00	1	1	1	~440mm
5	-----	-	-	-	
6	0000 053 109 01	1	1	-	4 x 260
6	0000 053 110 01	-	-	1	4 x 300
7	0000 015 349 00	1	1	1	
8	0000 503 999 01	1	1	1	Ø 9,5
9	0000 050 840 10	1	1	1	
10	-----	-	-	-	
11	0000 050 864 01	1	1	1	
12	0000 504 408 01	2	2	2	
13	0000 039 621 10	1	1	-	3,5 x 160 mm
13	0000 051 883 10	-	-	1	3,5 x 170 mm
14	0000 053 664 00	1	1	1	6 x 40mm
15	0000 008 055 02	1	1	1	
16	0000 505 709 00	3	3	3	Ø 12,8
18	0000 051 304 01	1	1	1	
19	0000 504 409 02	2	2	2	
20	0000 050 856 02	1	1	1	1,6 x 0,8 x 100
21	0000 502 319 00	2	2	2	M 8 x 25 DIN 835-8.8 A3C
22	0000 051 098 10	4	4	4	8,2 x 22 x 2
23	-----	-	-	-	
24	0000 051 228 00	2	2	2	
25	0000 400 284 00	2	2	2	VM 8 DIN 980-8 C3A
26	-----	-	-	-	
27	-----	-	-	-	
28	0000 052 356 02	1	1	1	„DIESEL“
29	0000 051 890 01	1	1	1	
30	0000 016 840 20	1	1	1	
31	0000 050 855 00	1	1	1	2 x 0,3 x 16
32	0000 051 077 00	2	2	-	
33	0000 016 352 10	1	1	1	W2
34	0000 501 709 00	2	2	2	6 DIN 128 - A3C
35	0000 501 444 00	2	2	2	M 6 DIN 934 - 8 A3C
36	0000 051 085 11	1	1	-	
36	0000 051 223 00	-	-	1	
37	0000 013 313 00	1	1	2	
38	0000 501 200 00	2	2	-	A 6,4 DIN 9021-St A3C
39	0000 051 100 10	4	4	4	7,1 x 17,9 x 2
40	0000 016 771 00	2	2	2	M 6 x 20
41	0000 041 188 00	2	2	-	6,5 x 13 x 4,8
42	0000 501 445 00	2	2	4	6,4 DIN 125-St A3C
43	0000 501 709 00	2	2	4	6 DIN 128 - A3C
44	0000 501 707 00	2	2	-	M 6 x 16 DIN 912-8.8A3C
44	0000 501 491 00	-	-	4	M 6 x 12 DIN 912-8.8A3C
45	0000 501 143 00	-	-	2	6,4 x 17 x 3 DIN 7349 A3C

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

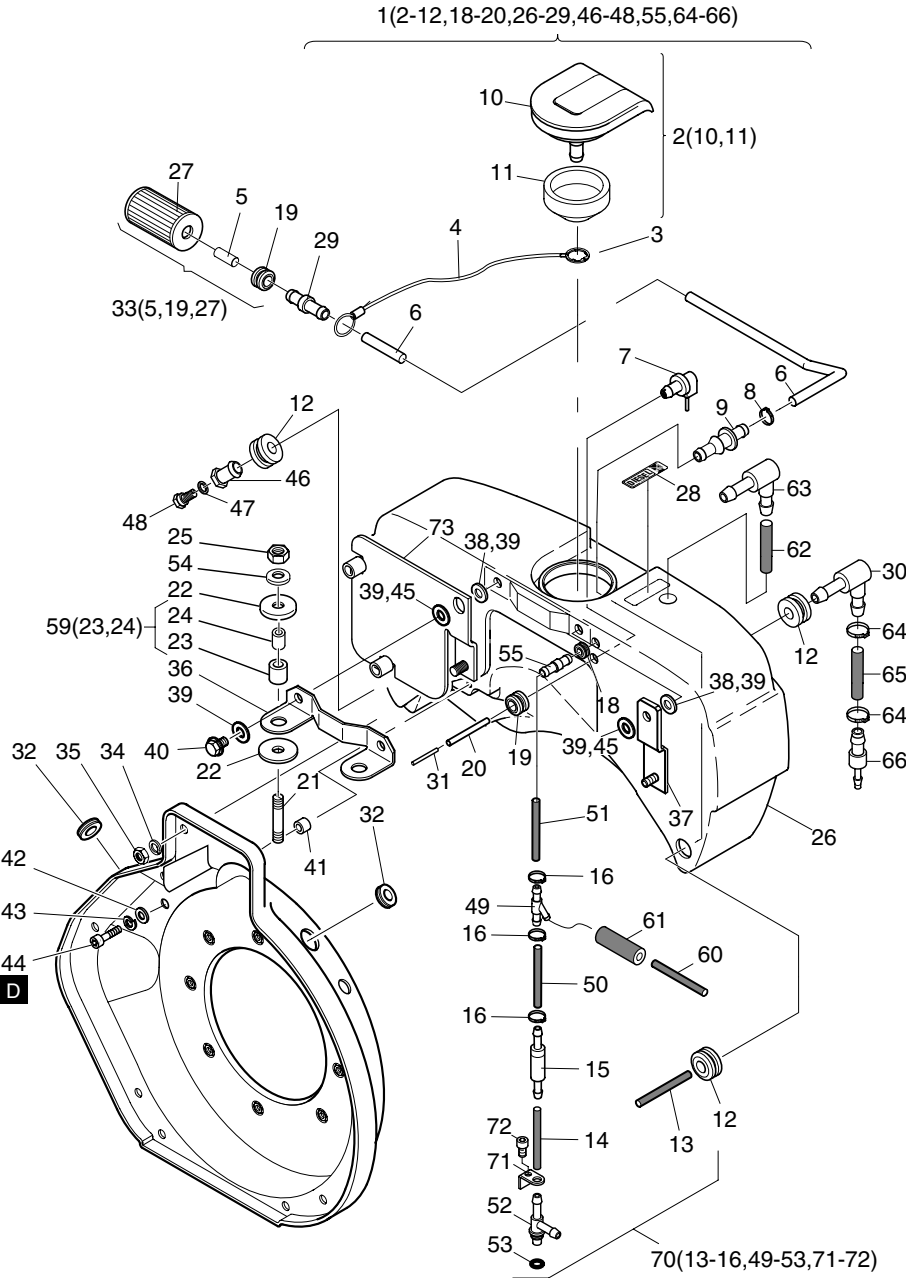


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
46	0000 052 357 00	1	1	1	
47	0000 503 131 00	1	1	1	A 6 x 10 DIN 7603-Cu.
48	0000 036 136 00	1	1	1	M 6 A3C
49	0000 051 756 02	1	1	1	
50	0000 051 888 10	1	1	-	5 x 120
50	0000 038 071 10	-	-	1	5 x 150
51	0000 040 604 10	1	1	-	5 x 100
51	0000 051 368 10	-	-	1	5 x 90
52	0000 017 568 00	1	1	1	
53	0000 501 543 00	1	1	1	D1
54	0000 501 481 00	2	2	2	7,5 x 1,5
55	0000 051 844 00	1	1	1	8,4 DIN 125-St A3C
59	0000 016 558 00	2	2	2	
60	0000 052 150 01	1	1	-	2,5 x 195
60	0000 042 820 00	-	-	1	2,5 x 245
61	0000 052 130 10	1	1	1	7 x 25
62	0000 052 518 00	1	1	1	20mm
63	0000 505 377 00	1	1	1	WS 6
64	0000 505 238 00	2	2	2	Ø 16,0
65	0000 037 014 10	1	1	1	7 x 100
66	0000 052 404 00	1	1	-	
66	0000 042 404 00	-	-	1	1,25 mm
70	0000 022 988 00	1	1	-	
70	0000 022 987 00	-	-	1	
71	0000 053 907 00	1	1	1	
72	0000 505 470 00	1	1	1	M 5 x 25 DIN 912 - 8.8 A3C Tuf.
73	0000 025 226 00	1	1	-	

Fuel feed pump
Kraftstoffförderpumpe
Pompe d'alimentation
Bomba de alimentación
Pompa A. C.

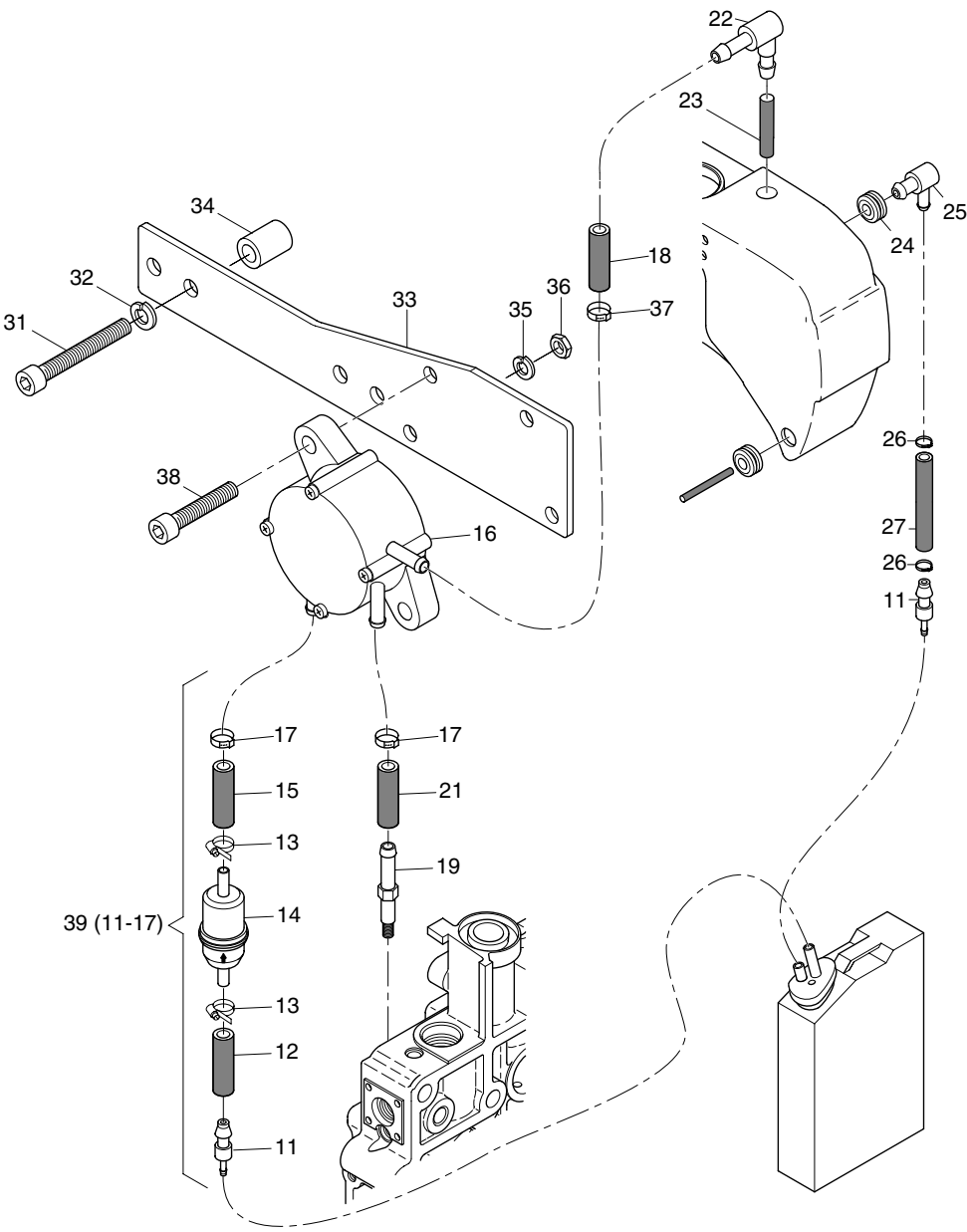


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
11	0000 052 404 00	2	2	2	
12	0000 034 931 10	1	1	1	7 x 60
13	0000 400 261 00	2	2	2	Ø 10-16
14	0000 503 170 00	1	1	1	Vorfilter, prefilter
15	0000 050 900 10	1	1	1	7 x 120
16	0000 053 950 00	1	1	1	
17	0000 505 238 00	2	2	2	Ø 16,0
18	0000 053 471 00	1	1	1	5,3 x 300
19	0000 052 432 01	1	1	1	
21	0000 037 014 10	1	1	1	7 x 100
22	0000 505 377 00	1	1	1	WS 6
23	0000 052 518 00	1	1	1	20mm
24	0000 504 408 01	1	1	1	
25	0000 016 840 20	1	1	1	
26	0000 505 238 00	2	2	2	Ø 16,0
27	0000 037 014 10	1	1	1	7 x 100
31	0000 503 749 00	2	2	2	M 6 X 35 DIN 912-8.8 A3C
32	0000 501 709 00	2	2	2	6 DIN 128 - A3C
33	0000 052 421 10	1	1	1	
34	0000 040 984 00	2	2	2	7 x 12 x 16,3
35	0000 500 812 00	2	2	2	A 6 DIN 137 - A3C
36	0000 503 283 00	2	2	2	VM 6 DIN 980-8 A3C
37	0000 505 112 01	1	1	1	Ø 14,5
38	0000 501 706 00	2	2	2	M 6 x 20 DIN 912-8.8A3C
39	0000 019 254 10	1	1	1	

Fuel
Kraftstoff - Doppelfilter
Carburant
Combustible
Serbatoio

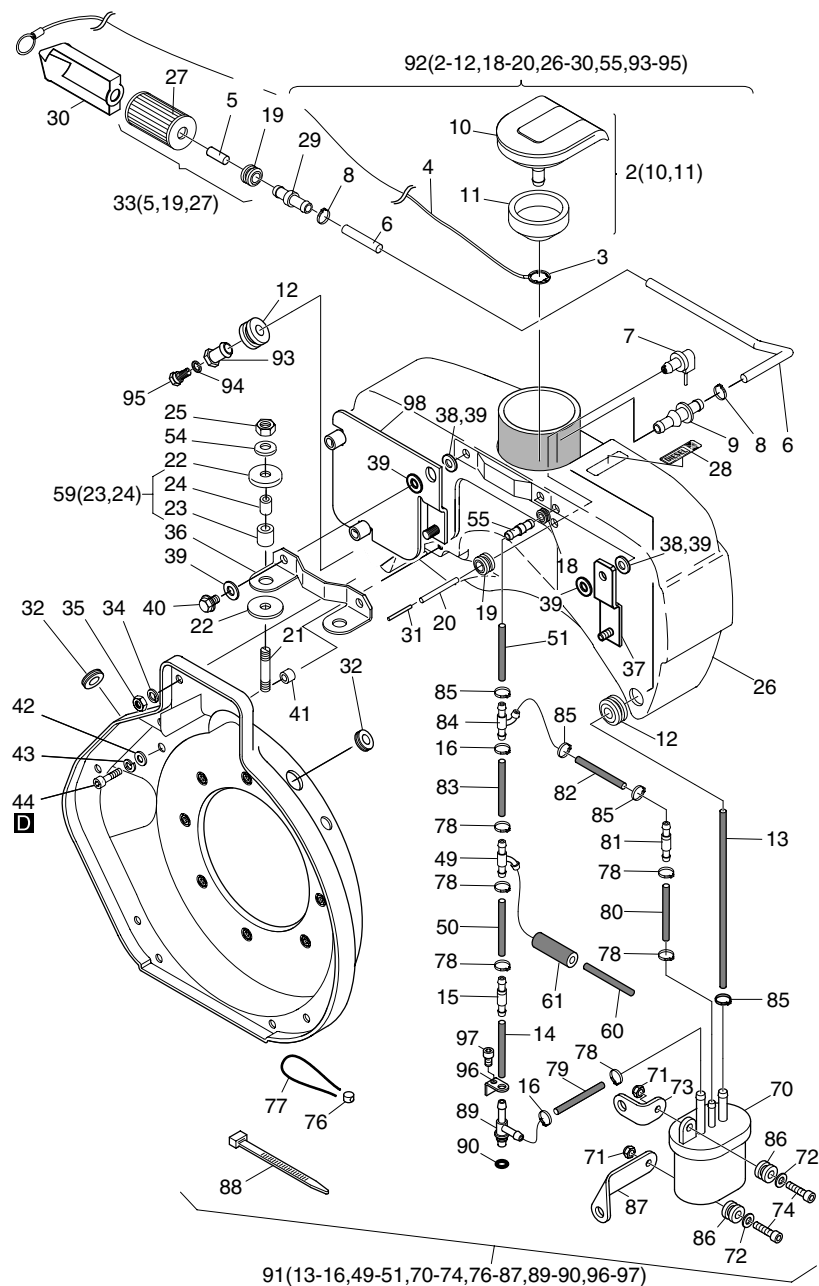


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
2	0000 015 353 02	1	1	1	kpl. cpl.
3	0000 505 008 00	1	1	1	8 DIN 6799
4	0000 016 289 00	1	1	1	~440mm
5	-----	-	-	-	
6	0000 053 109 01	1	1	-	4 x 260
6	0000 053 110 01	-	-	1	4 x 300
7	0000 015 349 00	1	1	1	
8	0000 503 999 01	2	2	2	Ø 9,5
9	0000 050 840 10	1	1	1	
10	-----	-	-	-	
11	0000 050 864 01	1	1	1	
12	0000 504 408 01	2	2	2	
13	0000 053 476 00	1	1	1	3,5 x 215
14	0000 053 664 00	1	1	1	6 x 40mm
15	0000 015 346 01	1	1	1	
16	0000 505 900 00	2	2	2	Ø 12,0
18	0000 051 304 01	1	1	1	
19	0000 504 409 02	2	2	2	
20	0000 050 856 02	1	1	1	1,6 x 0,8 x 100
21	0000 502 319 00	2	2	2	M 8 x 25 DIN 835-8.8 A3C
22	0000 051 098 10	4	4	4	8,2 x 22 x 2
23	-----	-	-	-	
24	0000 051 228 00	2	2	2	
25	0000 400 284 00	2	2	2	VM 8 DIN 980-8 C3A
26	-----	-	-	-	
27	-----	-	-	-	
28	0000 052 356 02	1	1	1	„DIESEL“
29	0000 051 890 01	1	1	1	
30	0000 052 534 00	1	1	1	
31	0000 050 855 00	1	1	1	2 x 0,3 x 16
32	0000 051 077 00	2	2	-	
33	0000 016 352 10	1	1	1	W2
34	0000 501 709 00	2	2	2	6 DIN 128 - A3C
35	0000 501 444 00	2	2	2	M 6 DIN 934 - 8 A3C
36	0000 051 085 11	1	1	-	
36	0000 051 223 00	-	-	1	
37	0000 013 313 00	1	1	2	
38	0000 501 200 00	2	2	-	A 6,4 DIN 9021-St A3C
39	0000 051 100 10	4	4	4	7,1 x 17,9 x 2
40	0000 016 771 00	2	2	2	M 6 x 20
41	0000 041 188 00	2	2	-	6,5 x 13 x 4,8
42	0000 501 445 00	2	2	4	6,4 DIN 125-St A3C
43	0000 501 709 00	2	2	4	6 DIN 128 - A3C
44	0000 501 707 00	2	2	-	M 6 x 16 DIN 912-8.8A3C
44	0000 501 491 00	-	-	4	M 6 x 12 DIN 912-8.8A3C
49	0000 051 756 02	1	1	1	
50	0000 053 105 00	1	1	-	5 x 80
50	0000 038 071 10	-	-	1	5 x 150
51	0000 053 069 00	1	1	1	5 x 40

Fuel
Kraftstoff - Doppelfilter
Carburant
Combustible
Serbatoio

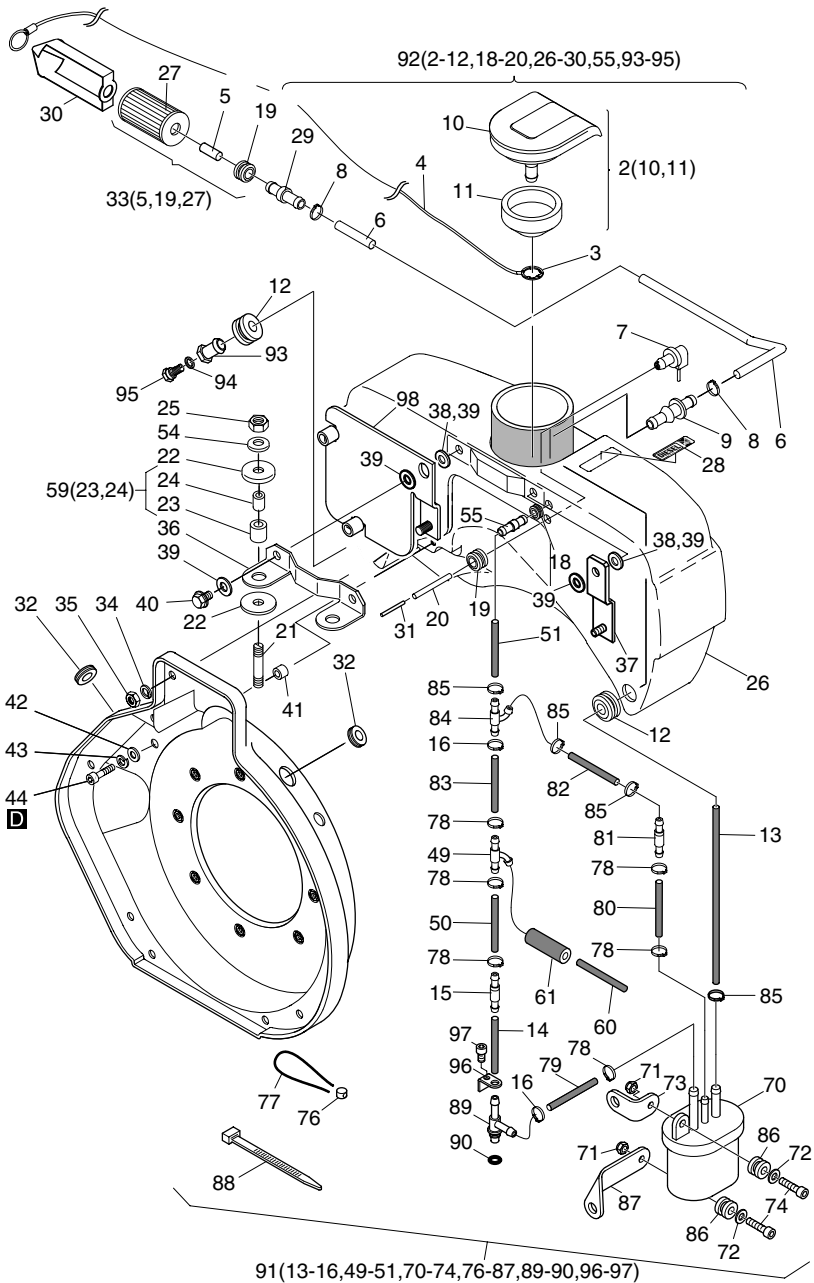


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
54	0000 501 481 00	2	2	2	8,4 DIN 125-St A3C
55	0000 051 844 00	1	1	1	
59	0000 016 558 00	2	2	2	
60	0000 052 150 01	1	1	-	2,5 x 195
60	0000 042 820 00	-	-	1	2,5 x 245
61	0000 052 130 10	1	1	1	7 x 25
70	0000 019 197 02	1	1	1	
71	0000 505 016 00	2	2	2	M 4 DIN 985 - 6 Zn
72	0000 504 416 00	2	2	2	4,3 DIN 9021 - A3C 140HV
73	0000 052 795 00	1	1	1	
74	0000 504 469 00	2	2	2	M 4 X 16 DIN 912-8.8 A3C TUF
76	0000 400 214 01	1	1	1	ø8,5 mm ALU
77	0000 400 215 00	1	1	1	0,5 / 0,3 x 200
78	0000 505 709 00	6	6	6	Ø 12,8
79	0000 036 738 10	1	1	-	5 x 275
79	0000 052 839 10	-	-	1	5 x 285
80	0000 052 839 10	1	1	1	5 x 285
81	0000 008 055 02	1	1	1	
82	0000 036 637 10	1	1	1	5 x 50 mm
83	0000 051 819 10	1	1	-	5 x 35 mm
83	0000 036 638 10	-	-	1	5 x 40 mm
84	0000 051 227 01	1	1	1	
85	0000 503 998 01	4	4	4	Ø 11,3
86	0000 505 566 00	2	2	2	
87	0000 052 794 00	1	1	1	
88	0000 503 584 00	2	2	2	4,8 x 200 mm Black
89	0000 017 568 00	1	1	1	
90	0000 501 543 00	1	1	1	D1 7,5 x 1,5
91	0000 022 992 00	1	1	-	
91	0000 022 993 00	-	-	1	
92	0000 017 904 00	1	1	-	3 l
92	0000 017 905 00	-	-	1	5 l
93	0000 052 357 00	1	1	-	
93	0000 051 882 00	-	-	1	
94	0000 503 131 00	1	1	1	A 6 x 10 DIN 7603-Cu.
95	0000 036 136 00	1	1	1	M 6 A3C
96	0000 053 907 00	1	1	1	
97	0000 505 470 00	1	1	1	M 5 x 25 DIN 912 - 8.8 A3C Tuf.
98	0000 025 226 00	1	1	-	

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

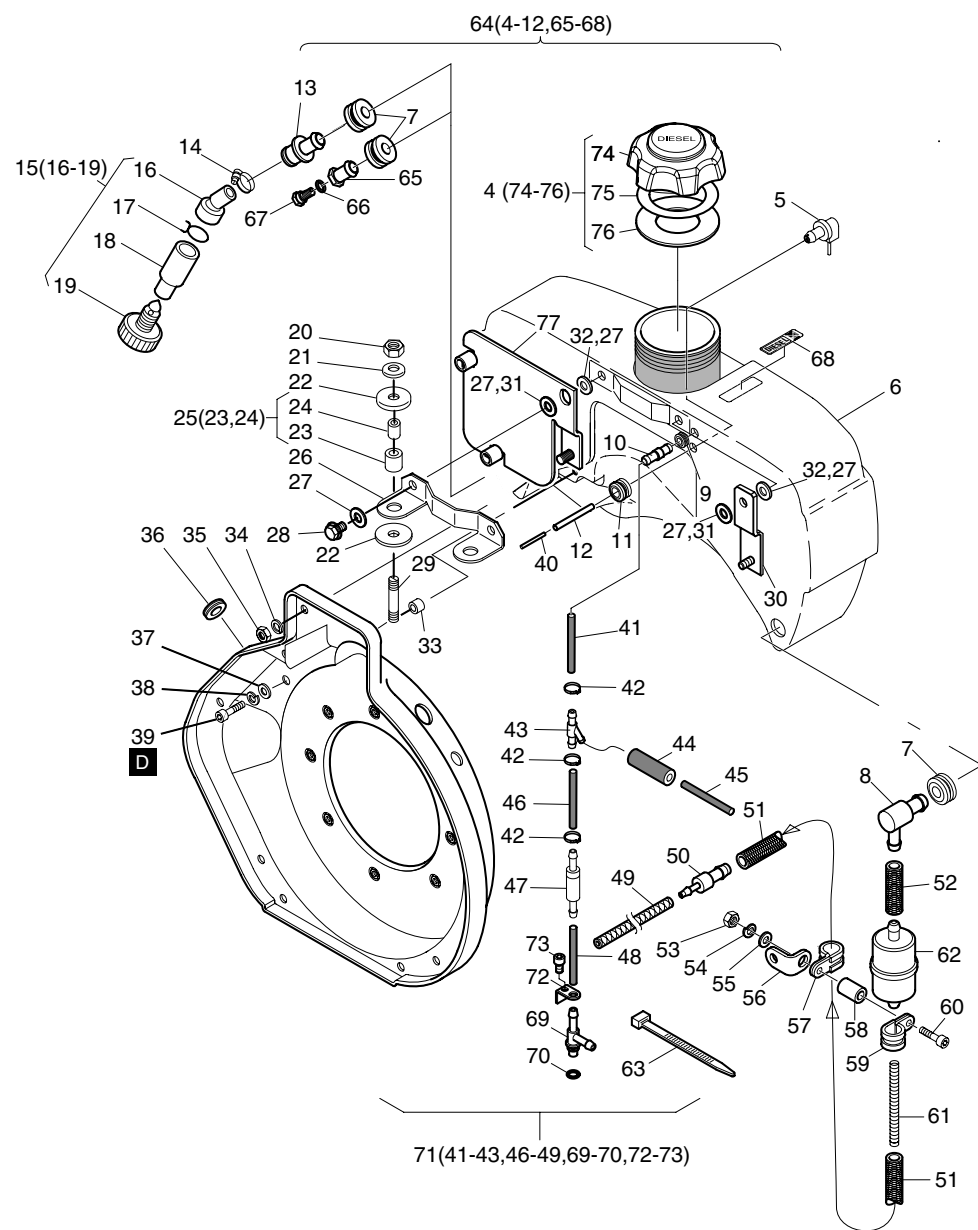


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV
4	0000 018 129 10	1	1	1
5	0000 015 349 00	1	1	1
6	-----	-	-	-
7	0000 504 408 01	2	2	2
8	0000 017 948 10	1	1	1
9	0000 051 304 01	1	1	1
10	0000 051 844 00	1	1	1
11	0000 504 409 02	1	1	1
12	0000 050 856 02	1	1	1
13	0000 052 358 00	1	1	-
13	0000 051 723 00	-	-	1
14	0000 504 480 00	1	1	1
15	0000 015 194 02	1	1	1
16	0000 050 440 02	1	1	1
17	0000 050 369 00	1	1	1
18	0000 050 439 02	1	1	1
19	0000 504 148 00	1	1	1
20	0000 400 284 00	2	2	2
21	0000 501 481 00	2	2	2
22	0000 051 098 10	4	4	4
23	-----	-	-	-
24	0000 051 228 00	2	2	2
25	0000 016 558 00	2	2	2
26	0000 051 085 11	1	1	-
26	0000 051 223 00	-	-	1
27	0000 051 100 10	4	4	4
28	0000 016 771 00	2	2	2
29	0000 502 319 00	2	2	2
30	0000 013 313 00	1	1	2
31	0000 501 143 00	-	-	2
32	0000 501 200 00	2	2	-
33	0000 041 188 00	2	2	-
34	0000 501 709 00	2	2	2
35	0000 501 444 00	2	2	2
36	0000 051 077 00	2	2	-
37	0000 501 445 00	2	2	4
38	0000 501 709 00	2	2	4
39	0000 501 707 00	2	2	-
39	0000 501 491 00	-	-	4
40	0000 050 855 00	1	1	1
41	0000 040 604 10	1	1	-
41	0000 051 368 10	-	-	1
42	0000 505 709 00	3	3	3
43	0000 051 756 02	1	1	1
44	0000 052 130 10	1	1	1
45	0000 052 150 01	1	1	-
45	0000 042 820 00	-	-	1
46	0000 053 105 00	1	1	-
46	0000 038 071 10	-	-	1

1,6 x 0,8 x 100

Ø9 x 12,5 DIN3017-W1

ø 25

M 10

VM 8 DIN 980-8 C3A

8,4 DIN 125-St A3C

8,2 x 22 x 2

7,1 x 17,9 x 2

M 6 x 20

M 8 x 25 DIN 835-8.8 A3C

6,4 x 17 x 3 DIN 7349 A3C

A 6,4 DIN 9021-St A3C

6,5 x 13 x 4,8

6 DIN 128 - A3C

M 6 DIN 934 - 8 A3C

6,4 DIN 125-St A3C

6 DIN 128 - A3C

M 6 x 16 DIN 912-8.8A3C

M 6 x 12 DIN 912-8.8A3C

2 x 0,3 x 16

5 x 100

5 x 90

Ø 12,8

7 x 25

2,5 x 195

2,5 x 245

5 x 80

5 x 150

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

83

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

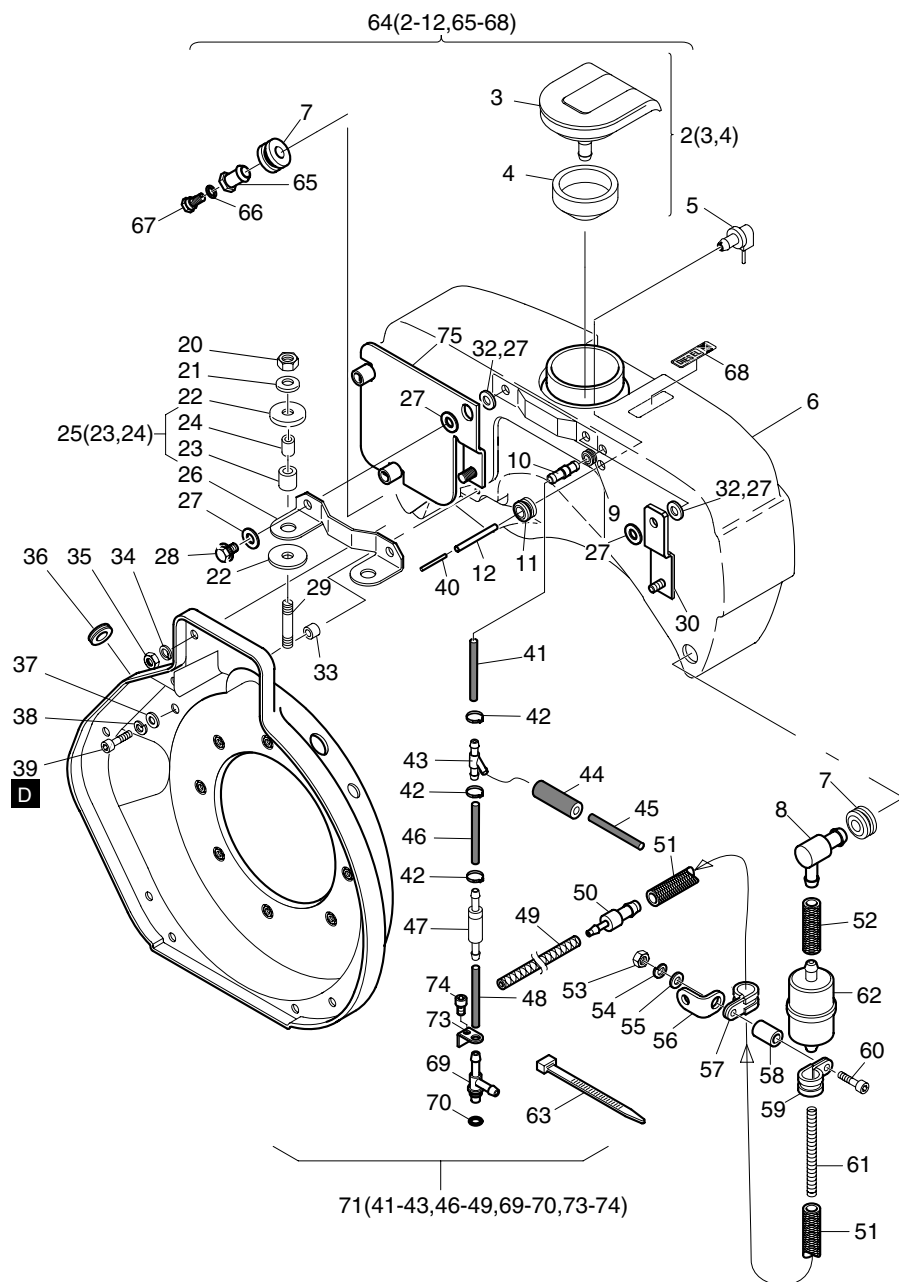


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
2	0000 015 353 02	1	1	1	kpl. cpl.
3	-----	-	-	-	
4	0000 050 864 01	1	1	1	
5	0000 015 349 00	1	1	1	1,6 x 0,8 x 100 VM 8 DIN 980-8 C3A 8,4 DIN 125-St A3C 8,2 x 22 x 2
6	-----	-	-	-	
7	0000 504 408 01	2	2	2	
8	0000 017 948 10	1	1	1	
9	0000 051 304 01	1	1	1	
10	0000 051 844 00	1	1	1	
11	0000 504 409 02	1	1	1	
12	0000 050 856 02	1	1	1	
20	0000 400 284 00	2	2	2	
21	0000 501 481 00	2	2	2	
22	0000 051 098 10	4	4	4	
23	-----	-	-	-	7,1 x 17,9 x 2 M 6 x 20 M 8 x 25 DIN 835-8.8 A3C A 6,4 DIN 9021-St A3C 6,5 x 13 x 4,8 6 DIN 128 - A3C M 6 DIN 934 - 8 A3C 6,4 DIN 125-St A3C 6 DIN 128 - A3C M 6 x 16 DIN 912-8.8A3C M 6 x 12 DIN 912-8.8A3C 2 x 0,3 x 16 5 x 100 5 x 90 Ø 12,8 7 x 25 2,5 x 195 2,5 x 245 5 x 80 5 x 150 6 x 40mm 3,5 x 160 mm 3,5 x 170 mm 7,3 x 260 7,3 x 50
24	0000 051 228 00	2	2	2	
25	0000 016 558 00	2	2	2	
26	0000 051 085 11	1	1	-	
26	0000 051 223 00	-	-	1	
27	0000 051 100 10	4	4	4	
28	0000 016 771 00	2	2	2	
29	0000 502 319 00	2	2	2	
30	0000 013 313 00	1	1	2	
32	0000 501 200 00	2	2	-	
33	0000 041 188 00	2	2	-	
34	0000 501 709 00	2	2	2	
35	0000 501 444 00	2	2	2	
36	0000 051 077 00	2	2	-	
37	0000 501 445 00	2	2	4	
38	0000 501 709 00	2	2	4	
39	0000 501 707 00	2	2	-	
39	0000 501 491 00	-	-	4	
40	0000 050 855 00	1	1	1	
41	0000 040 604 10	1	1	-	
41	0000 051 368 10	-	-	1	
42	0000 505 709 00	3	3	3	
43	0000 051 756 02	1	1	1	
44	0000 052 130 10	1	1	1	
45	0000 052 150 01	1	1	-	
45	0000 042 820 00	-	-	1	
46	0000 053 105 00	1	1	-	
46	0000 038 071 10	-	-	1	
47	0000 008 055 02	1	1	1	
48	0000 053 664 00	1	1	1	
49	0000 039 621 10	1	1	-	
49	0000 051 883 10	-	-	1	
50	0000 053 068 00	1	1	1	
51	0000 051 166 01	1	1	1	
52	0000 053 239 01	1	1	1	

Fuel
Kraftstoff
Carburant
Combustible
Serbatoio

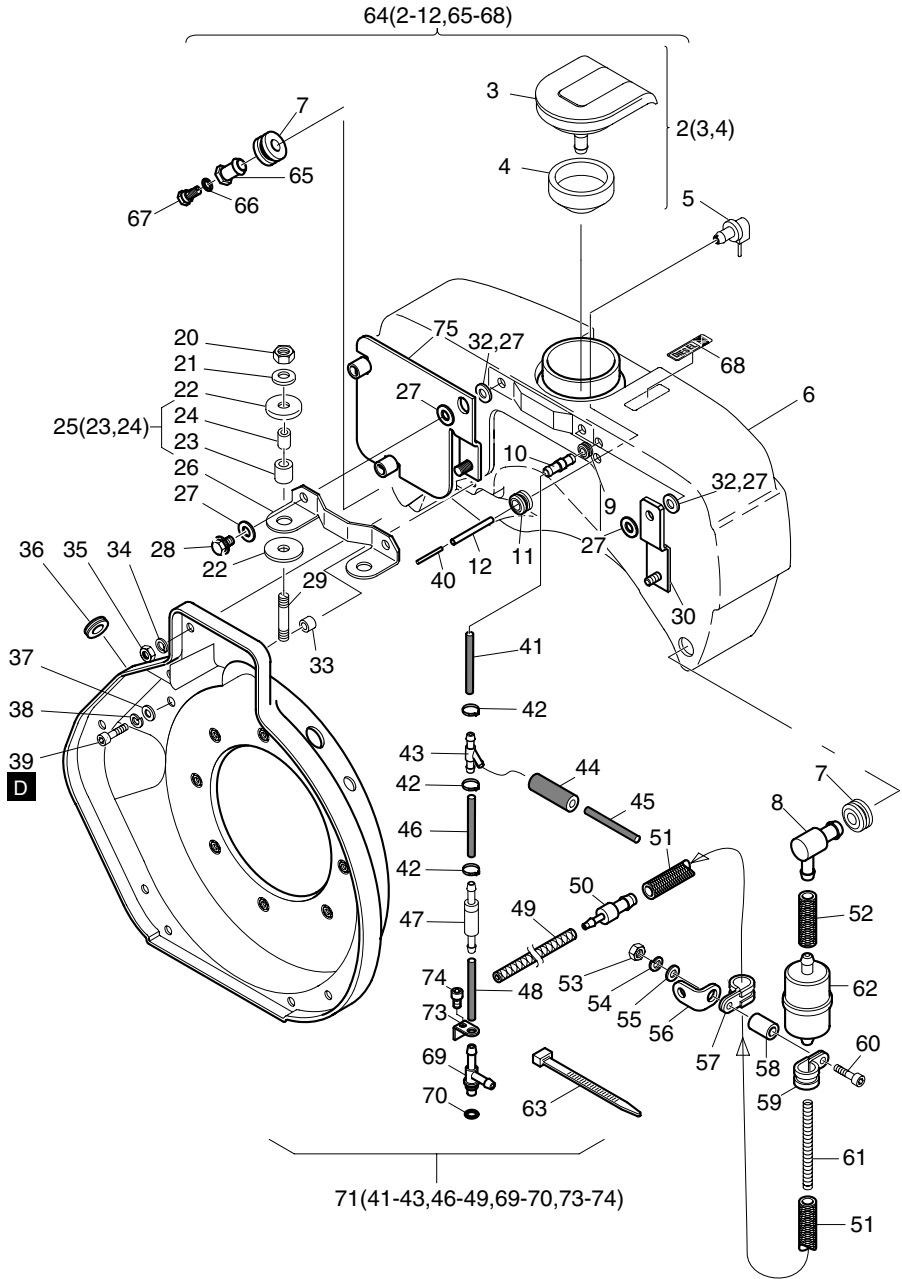


Fig.- No.	HATZ Ident-No.	Qty. Stück			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV		
53	0000 501 444 00	1	1	1		M 6 DIN 934 - 8 A3C
54	0000 501 709 00	1	1	1		6 DIN 128 - A3C
55	0000 501 445 00	1	1	1		6,4 DIN 125-St A3C
56	0000 035 439 00	1	1	1		
57	0000 501 584 00	1	1	1		14 / 15
58	0000 041 390 00	1	1	1		6,5 x 12 x 18
59	0000 501 584 00	1	1	1		14 / 15
60	0000 501 827 00	1	1	1		M 6 X 40 DIN 912-8.8 A3C
61	0000 032 106 02	1	1	1		
62	0000 504 788 00	1	0... 1	0... 1		
63	0000 503 584 00	2	2	2		4,8 x 200 mm Black
64	0000 025 392 00	1	1	-		
64	0000 025 399 00	-	-	1		
65	0000 052 357 00	1	1	-		
65	0000 051 882 00	-	-	1		
66	0000 503 131 00	1	1	1		A 6 x 10 DIN 7603-Cu.
67	0000 036 136 00	1	1	1		M 6 A3C
68	0000 052 356 02	1	1	1		„DIESEL“
69	0000 017 568 00	1	1	1		
70	0000 501 543 00	1	1	1		7,5 x 1,5
71	0000 022 988 00	1	1	-		
71	0000 022 987 00	-	-	1		
73	0000 053 907 00	1	1	1		
74	0000 505 470 00	1	1	1		M 5 x 25 DIN 912 - 8.8 A3C Tuf.
75	0000 025 226 00	1	1	-		

Z02a

Air filter
Luftfilter
Filtre à air
Filtro de aire
Filtro aria

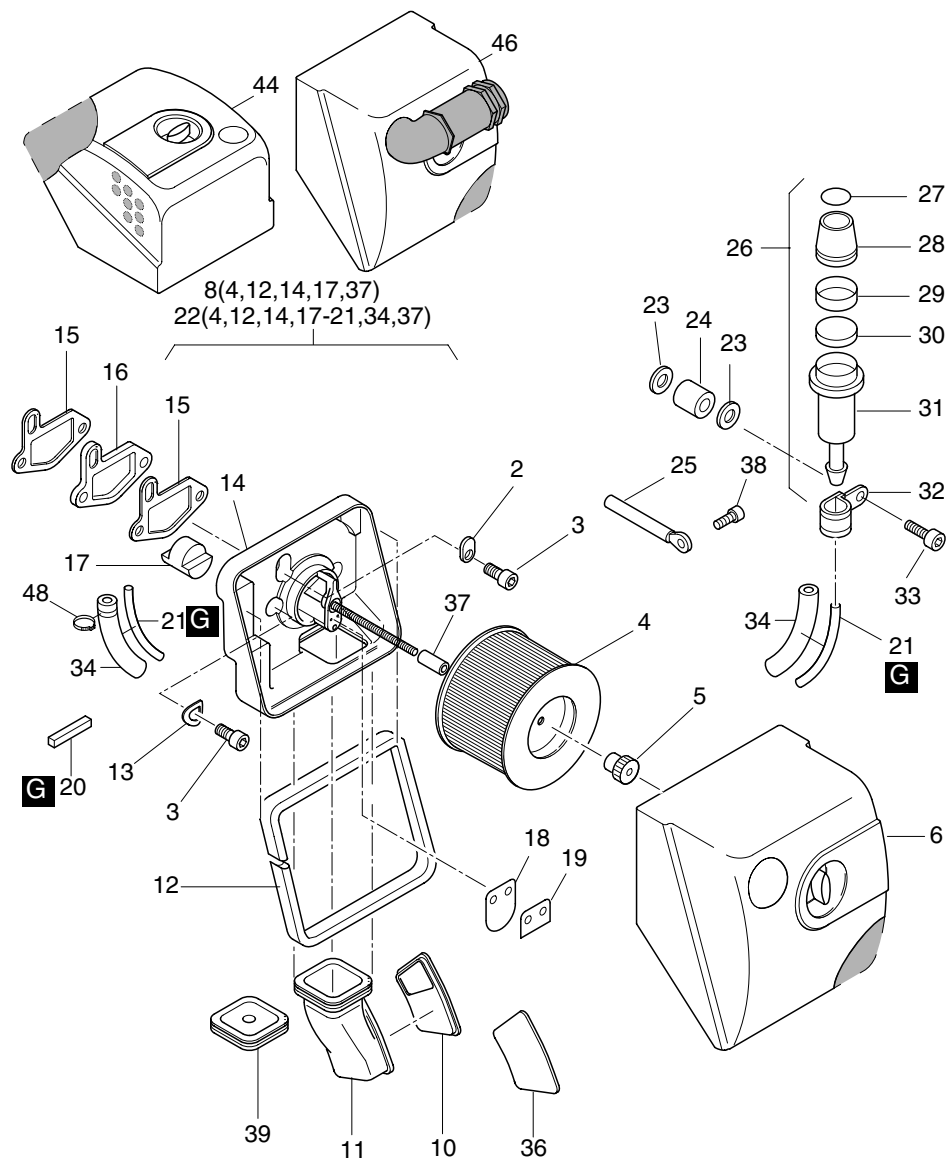


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen		
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV		
2	0000 050 564 00	1	1	1	M 8 X 25 DIN 912-8.8 A3C	
3	0000 501 715 00	3	3	3		
4	0000 504 260 00	1	1	1		
5	0000 504 543 00	1	1	1		
6	0000 017 220 02	1	1	-		
6	0000 017 201 02	-	-	1		
8	0000 016 079 11	1	1	1	W2	
10	0000 041 042 00	0... 1	0... 1	-		
10	0000 041 166 00	-	-	0... 1		
11	0000 041 030 00	0... 1	0... 1	-		
11	0000 041 165 01	-	-	0... 1		
12	0000 052 161 00	1	1	1		
13	0000 500 951 00	2	2	2	545 mm	
14	-----	-	-	-	A 8 DIN 137 A3C	
15	0000 050 563 00	2	2	2	d2	
16	0000 050 883 01	1	1	1		
17	0000 050 981 00	1	1	1		
18	0000 051 471 02	1	1	1		
19	0000 051 472 00	1	1	1		
20	0000 051 750 00	1	1	1		
21	0000 050 446 10	1	1	1	(rot, red, rouge)	
22	0000 016 036 11	1	1	-	(rot, red, rouge)	
22	0000 016 688 10	-	-	1	14 x 9 x 30	
23	0000 503 805 00	2	2	2	2 x 4 x 135	
24	0000 041 390 00	1	1	1	J 6,4 DIN 6797-A3C	
25	0000 050 012 00	1	1	1		
26	0000 014 998 01	1	1	1		
27	0000 050 445 01	1	1	1		
28	0000 050 436 01	1	1	1		
29	0000 050 456 00	1	1	1		
30	0000 051 372 00	1	1	1	6,5 x 12 x 18	
31	0000 050 437 00	1	1	1	(Pos 27-31)	
32	0000 501 735 00	1	1	1		
33	0000 503 749 00	1	1	1		
34	0000 053 326 01	1	1	-		
34	0000 051 883 10	-	-	1		
36	0000 042 151 00	0... 1	0... 1	-		
36	0000 042 150 00	-	-	0... 1	10 / 15	
37	0000 051 662 00	1	1	1		
38	0000 501 491 00	1	1	1		
39	0000 050 565 00	0... 1	0... 1	0... 1		
44	0000 017 218 02	1	1	-		
44	0000 017 202 02	-	-	1		
46	0000 017 133 01	1	1	-	M 6 X 35 DIN 912-8.8 A3C	
46	0000 017 135 01	-	-	1		
48	0000 506 721 00	1	1	-		
						4 x 140 mm
						3,5 x 170 mm
						Ø 8mm

Air filter for tamper engine 1B20R
Luftfilter für Stampfermotor 1B20R
Filtre à air pour moteur de pilonneuse 1B20R
Filtro de aire p. motor de pisón 1B20R
Filtro aria p. motori costipatore verticale 1B20R

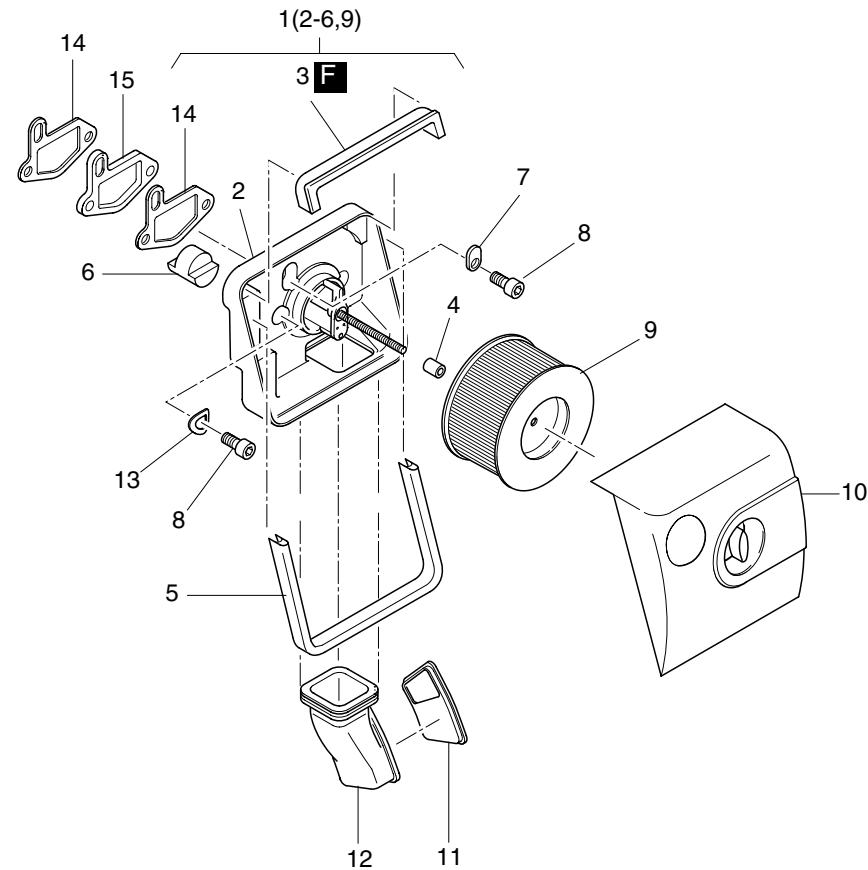


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1B20R				
EPA IV				
1	0000 016 956 11	1		
2	-----	-		
3	0000 050 829 00	1		
4	0000 051 496 00	1		12 mm
5	0000 050 561 00	1		365 mm
6	0000 050 981 00	1		
7	0000 050 564 00	1		
8	0000 501 715 00	3		M 8 X 25 DIN 912-8.8 A3C
9	0000 504 690 00	1		
10	0000 017 468 01	1		
11	0000 041 042 00	1		
12	0000 041 030 00	1		
13	0000 500 951 00	2		A 8 DIN 137 A3C
14	0000 050 563 00	2	d2	
15	0000 016 003 00	1		

Exhaust silencer - 1B20 / 27
Abgasdämpfer - 1B20 / 27
Silencieux - 1B20 / 27
Silenciador - 1B20 / 27
Marmitta - 1B20 / 27

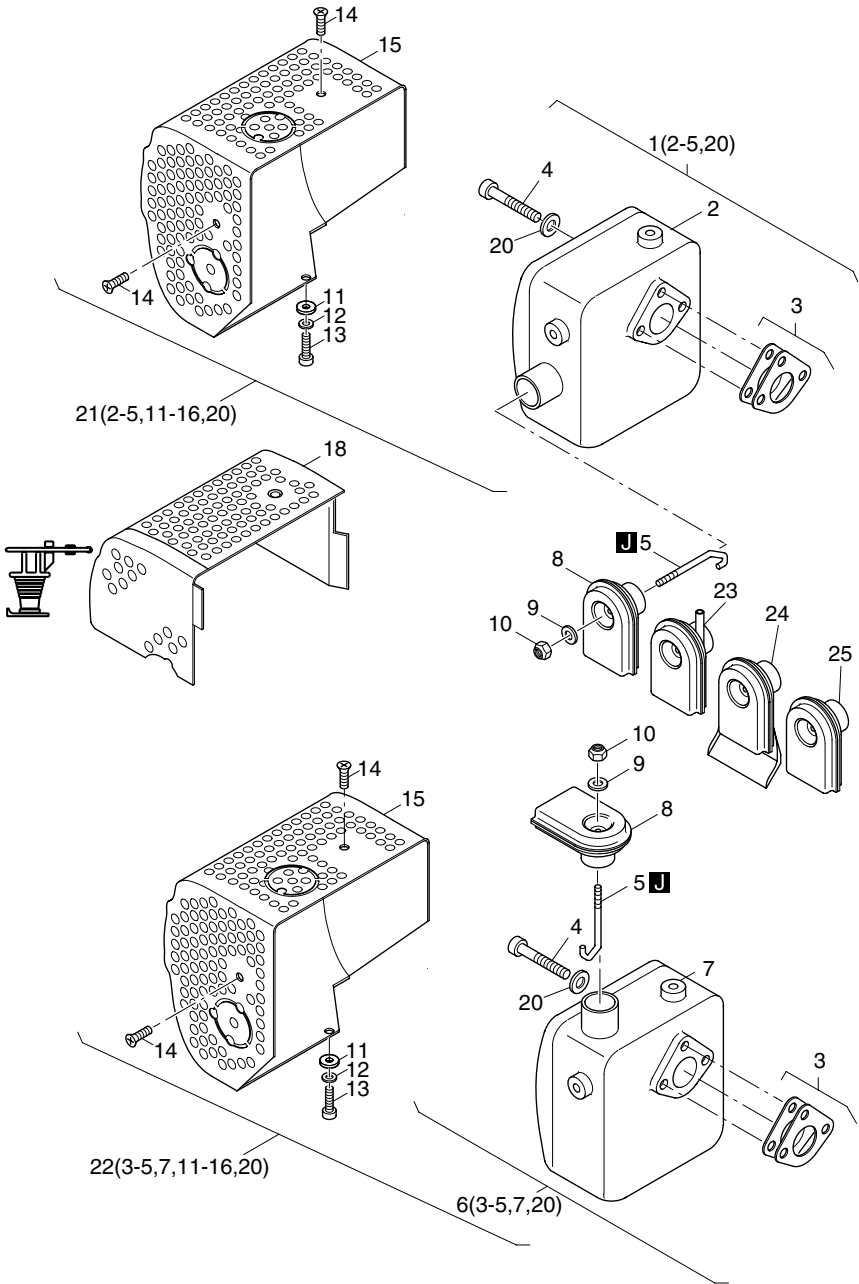


Fig.- No.	HATZ Ident-No.	Qty. Stück			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV		
1	0000 019 538 00	1	1	1	d1	M 8 X 25 DIN 912-8.8 C4P M 6
2	-----	-	-	-		
3	0000 017 325 01	1	1	1		
4	0000 504 039 00	3	3	3		
5	0000 051 779 00	1	1	1		
6	0000 019 539 00	1	-	1		
7	-----	-	-	-	Standard / standard 6,4 DIN 125-St A3C M 6 6,4 x 17 x 3 DIN 7349 A3C 6 DIN 128 - A3C M 6 x 16 DIN 933-8.8 A3C M 6 x 12 DIN 7991 - 8.8 A3C STAMPFER - RAMMER 8 DIN 128 A3C	
8	0000 015 313 14	1	-	1		
9	0000 501 445 00	1	1	1		
10	0000 506 731 00	1	1	1		
11	0000 501 143 00	1	-	1		
12	0000 501 709 00	1	-	1		
13	0000 501 771 00	1	-	1		
14	0000 504 225 01	2	2	2		
15	0000 018 702 10	1	-	1		
18	0000 015 906 01	-	1	-		
20	0000 502 085 00	3	3	3		
21	0000 019 645 00	1	-	1		
22	0000 019 646 00	1	-	1		
23	0000 019 543 00	-	1	-		
24	0000 016 463 03	1	-	1		
25	0000 015 761 12	1	-	1		ohne Einsatz / without insert

Exhaust silencer - 1B30
Abgasdämpfer - 1B30
Silencieux - 1B30
Silenciador - 1B30
Marmitta - 1B30

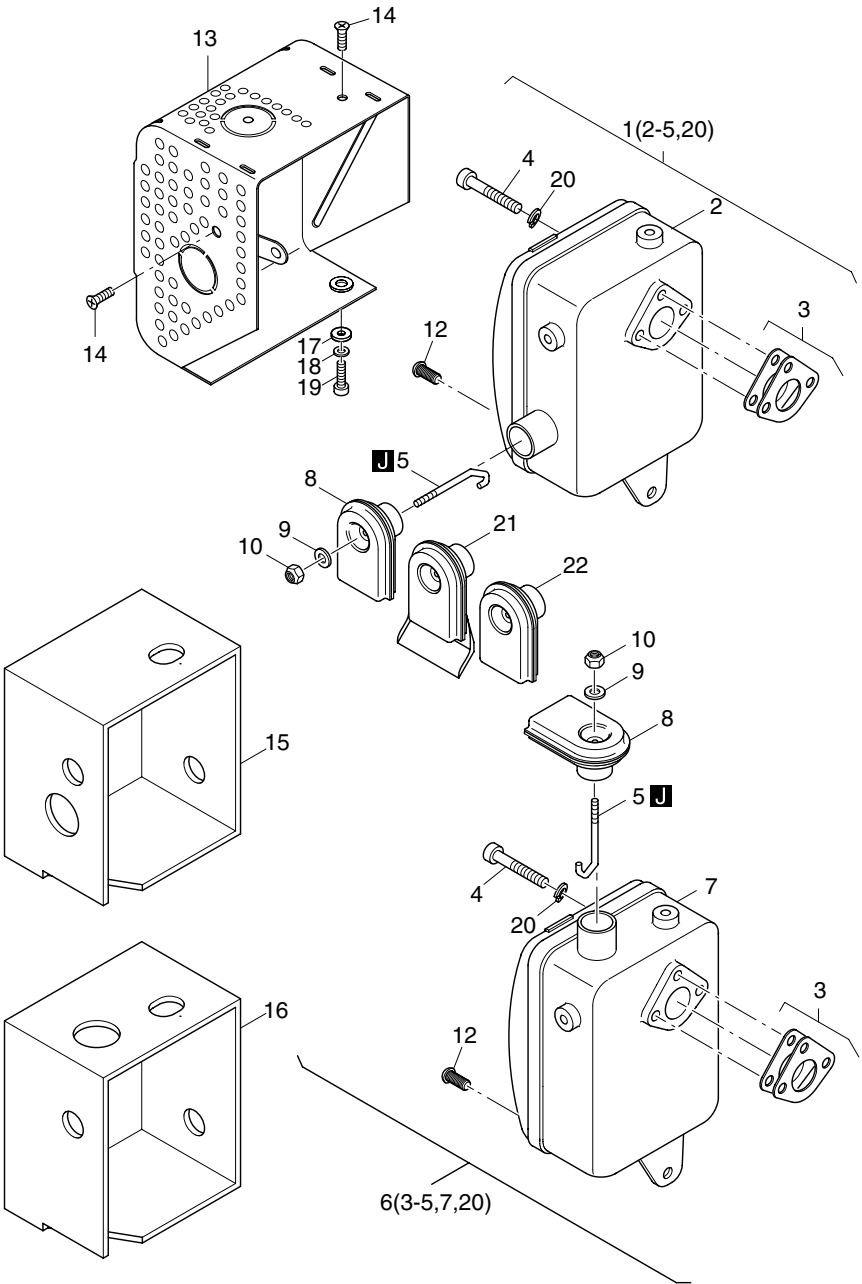


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
1B30 EPA TIER IV Serial No. 101 29 ... 1B30 EPA TIER IV DOC Serial No. 174 29 ...				
1	0000 016 858 10	1	-	
1	0000 025 373 00	-	1	DOC
2	-----	-	-	
3	0000 017 326 01	1	1	d1
4	0000 504 039 00	3	3	M 8 X 25 DIN 912-8.8 C4P
5	0000 051 779 00	1	0... 1	M 6
5	0000 056 325 00	-	0... 1	M 6 DOC oben/top
6	0000 017 126 10	1	-	DOC oben/top
6	0000 025 374 00	-	1	DOC
7	-----	-	-	
8	0000 015 313 14	1	1	Standard / standard
9	0000 501 445 00	1	1	6,4 DIN 125-St A3C
10	0000 506 731 00	1	1	M 6
12	0000 506 628 00	1	1	M 6 x 14
13	0000 016 457 21	1	1	
14	0000 504 225 01	2	2	M 6 x 12 DIN 7991 - 8.8 A3C
15	0000 019 813 01	0... 1	0... 1	„SILENT“
16	0000 019 815 01	0... 1	0... 1	„SILENT“
17	0000 501 143 00	1	1	6,4 x 17 x 3 DIN 7349 A3C
18	0000 501 709 00	1	1	6 DIN 128 - A3C
19	0000 501 771 00	1	1	M 6 x 16 DIN 933-8.8 A3C
20	0000 502 085 00	3	3	8 DIN 128 A3C
21	0000 016 463 03	1	1	
22	0000 015 761 12	1	1	ohne Einsatz / without insert

Z05a

Starter, alternator
Starter, Generator
Démarreur, alternateur
Arrancador, alternador
Motorino avviamento, alternatore

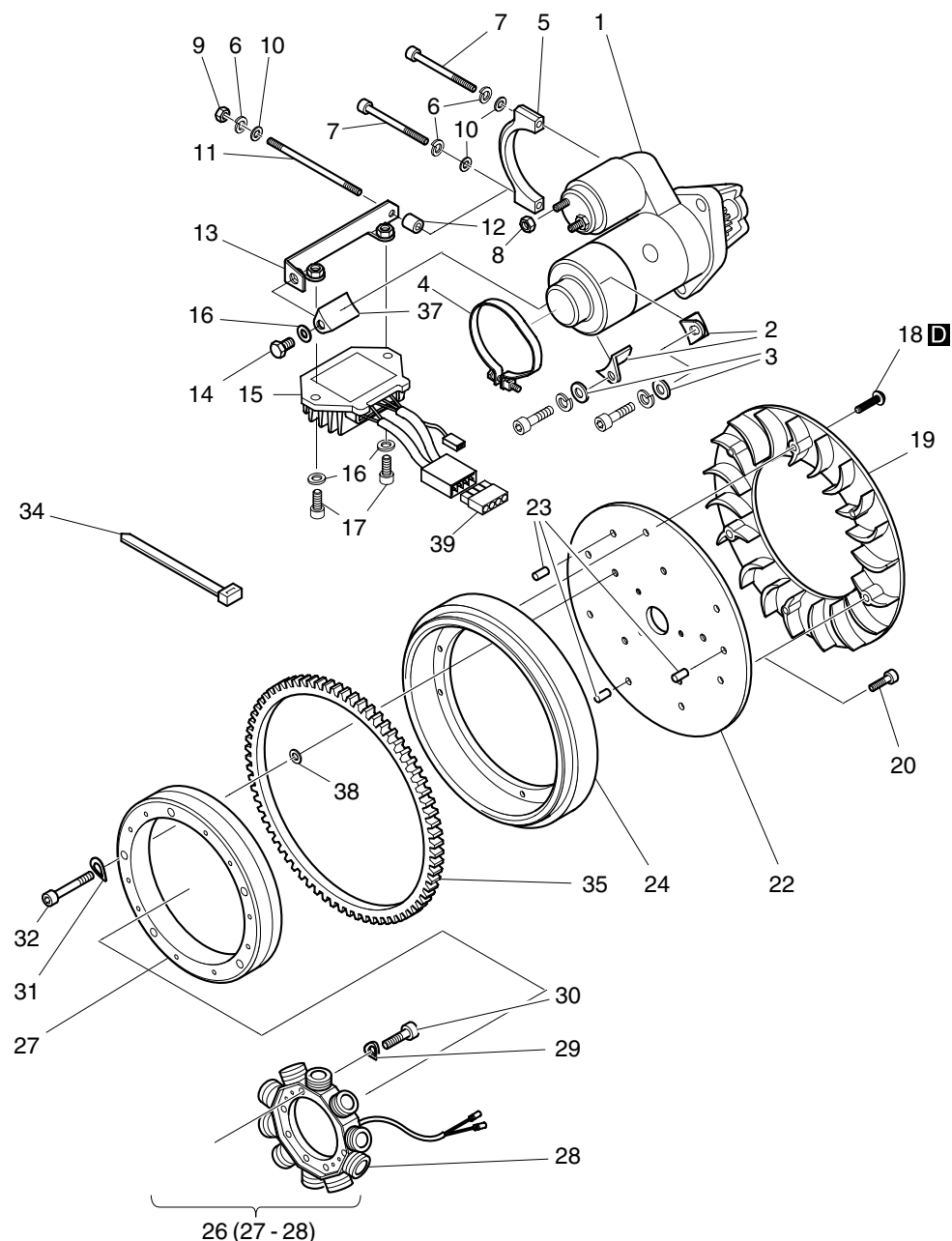


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 017 234 00	1	1	1	12 V - 1,0 kW
1	0000 504 833 01	1	1	1	24 V - 1,6 kW
2	0000 041 384 00	2	2	2	
3	0000 501 481 00	2	2	2	8,4 DIN 125-St A3C
4	0000 505 298 00	1	1	1	Ø70 - 90
5	0000 040 991 00	1	1	1	
6	0000 501 709 00	2	2	2	6 DIN 128 - A3C
7	0000 504 443 00	2	2	2	M 6 X 80 DIN 912-8.8 A3C
8	0000 503 447 00	1	1	1	M 8 DIN 936 - 5 A3C
9	0000 501 444 00	1	1	1	M 6 DIN 934 - 8 A3C
10	0000 501 445 00	2	2	2	6,4 DIN 125-St A3C
11	0000 504 559 00	1	1	1	MFS 6x90 DIN 949 - 1 8.8 A3C
12	0000 036 714 00	1	1	1	7 x 12 x 15
13	0000 015 609 00	1	1	1	
14	0000 500 962 00	1	1	1	M 8 x 12 DIN 933 - 8.8 A3C
15	0000 019 838 00	1	1	1	12 V
15	0000 019 839 00	1	1	1	24 V
16	0000 501 481 00	3	3	3	8,4 DIN 125-St A3C
17	0000 501 830 00	2	2	2	M 8 X 35 DIN 912-8.8 A3C
18	0000 506 742 01	6	6	6	M4X18- 8.8 A3B
19	0000 041 937 00	1	1	-	
19	0000 041 936 00	-	-	1	
20	0000 504 168 00	3	3	3	M 6 x 16 DIN 912 - 8.8 A3C Tuf.
22	0000 040 987 20	1	1	1	
23	0000 500 352 00	3	3	3	6 x 12 ISO 8752-ST
24	0000 040 982 30	1	1	-	
24	0000 041 101 20	-	-	1	
26	0000 019 259 00	1	1	1	12 V
26	0000 019 260 00	1	1	1	24 V / 12V o. BATT.
27	-----	-	-	-	
28	-----	-	-	-	
29	0000 500 819 00	4	4	4	A 5 DIN 137 A3C
30	0000 505 470 00	4	4	4	M 5 x 25 DIN 912 - 8.8 A3C Tuf.
31	0000 500 812 00	5	5	5	A 6 DIN 137 - A3C
32	0000 504 487 00	5	5	5	M 6 x 30 DIN 6912-8.8 A3C
34	0000 503 584 00	3	3	3	4,8 x 200 mm Black
35	0000 040 986 00	1	1	-	
35	0000 041 080 00	-	-	1	
37	0000 041 384 00	1	1	1	
38	0000 501 143 00	5	5	5	6,4 x 17 x 3 DIN 7349 A3C
39	0000 504 021 00	1	1	1	4-P.

Z05b, Z10, Z11

Electric equipment, wirings
Armaturen, Leitungen
Equipement électrique, cable
Cuadro de mando, cables
Cruscotto, cablaggio

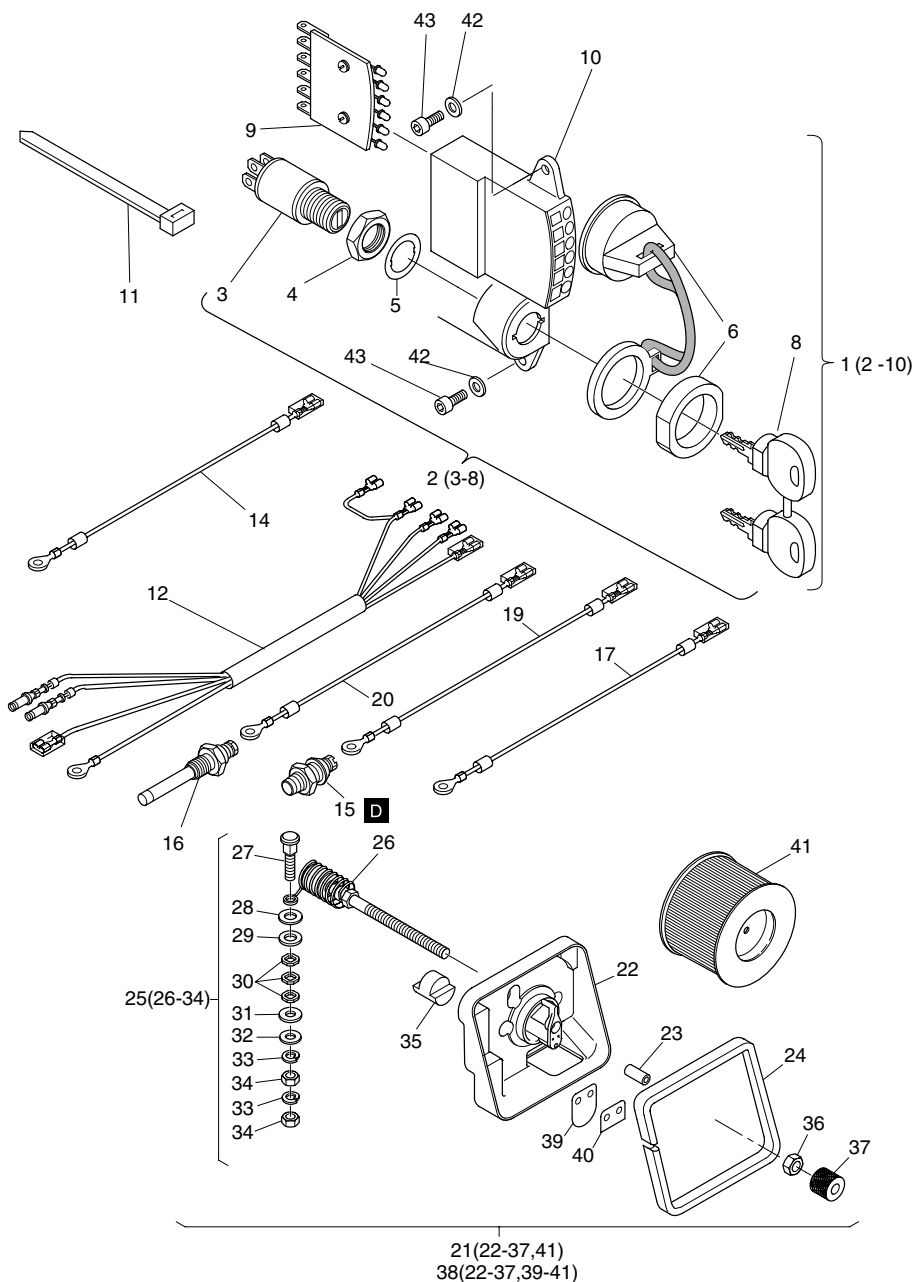


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 023 994 01	1	1	1	12/24V 5 LED's
1	0000 017 457 02	1	1	1	12/24V 6 LED's
2	0000 505 995 01	1	1	1	
3	-----	-	-	-	
4	-----	-	-	-	
5	-----	-	-	-	
6	0000 506 009 00	1	1	1	
8	0000 506 008 00	2	2	2	Nr. 607
9	-----	-	-	-	
10	-----	-	-	-	
11	0000 503 584 00	2	2	2	4,8 x 200 mm Black
12	0000 017 851 00	1	1	1	
14	0000 015 468 00	1	1	1	(0) Masse
15	0000 400 213 01	0... 1	0... 1	0... 1	OIL 0,5 - 0,8 bar 12 - 24V
15	0000 506 044 01	0... 1	0... 1	0... 1	OIL 1,20 - 1,80 bar (Gen)
16	0000 502 686 00	1	1	1	TEMP. 12-24V
17	0000 017 152 00	1	1	1	(6) 400 mm
19	0000 015 465 00	1	1	1	(4)
20	0000 015 469 00	1	1	1	(5)
21	0000 016 078 23	1	1	1	12V
21	0000 017 454 12	1	1	1	24V
22	-----	-	-	-	
23	0000 041 192 00	1	1	1	6,5 x 13 x 15
24	0000 052 161 00	1	1	1	545 mm
25	0000 017 550 00	1	1	1	12V
25	0000 017 551 00	1	1	1	24V
26	-----	-	-	-	
27	0000 503 357 00	1	1	1	M 5 x 25 DIN 933-8.8 A3C
28	0000 502 163 00	1	1	1	5,3 DIN 125-St A3C
29	0000 504 127 00	1	1	1	
30	0000 504 126 01	3	3	3	
31	0000 504 127 00	1	1	1	
32	0000 502 163 00	1	1	1	5,3 DIN 125-St A3C
33	0000 500 026 00	2	2	2	5 DIN 128 - A3C
34	0000 500 943 00	2	2	2	M 5 DIN 934-8 A3C
35	0000 050 981 00	1	1	1	
36	0000 501 444 00	1	1	1	M 6 DIN 934 - 8 A3C
37	0000 051 496 00	1	1	1	12 mm
38	0000 017 622 12	1	1	1	12V
38	0000 017 623 11	1	1	1	24V
39	0000 051 471 00	1	1	1	(schwarz, black, noir)
40	0000 051 472 00	1	1	1	(rot, red, rouge)
41	0000 504 260 00	1	1	1	
42	0000 501 445 00	2	2	2	6,4 DIN 125-St A3C
43	0000 501 491 00	2	2	2	M 6 x 12 DIN 912-8.8A3C

Z05c, Z10, Z11

Electric equipment, wirings
 Armaturenkasten, Leitungen
 Equipement électrique, cable
 Cuadro de mando, cables
 Cruscotto, cablaggio

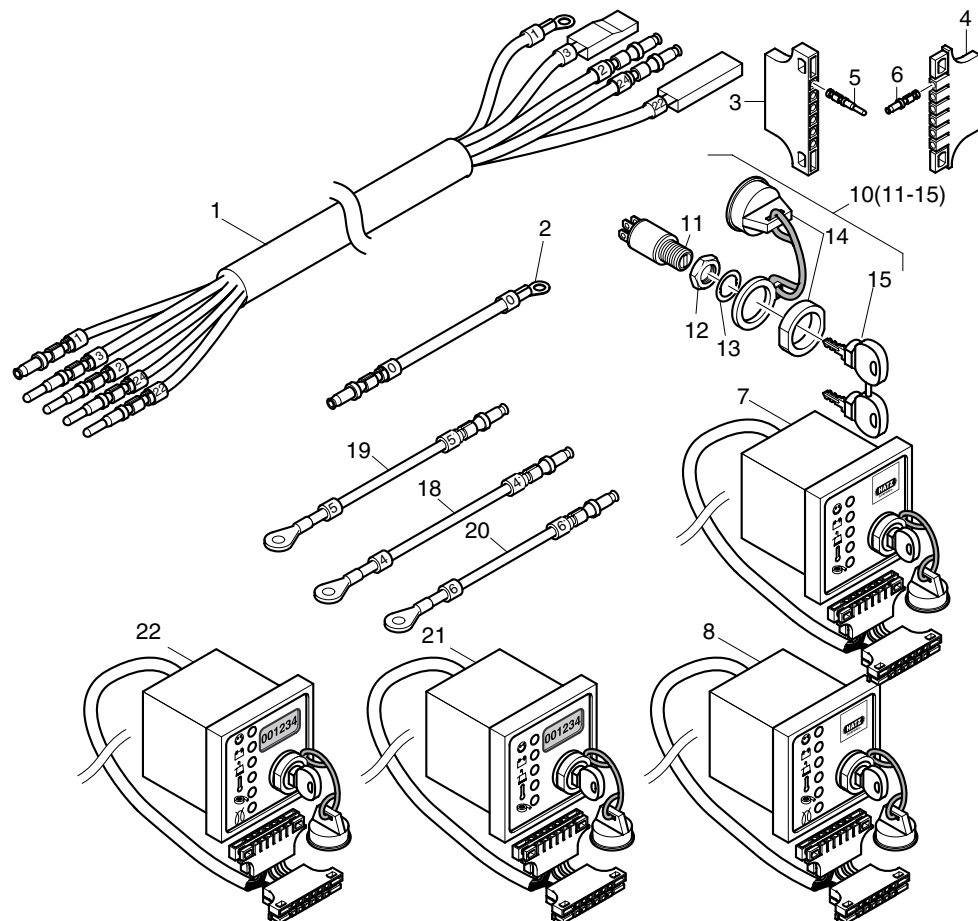


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	
1	0000 015 422 01	1	1	1	
2	0000 015 483 00	1	1	1	(0)
3	0000 503 736 00	1	1	1	
4	0000 503 737 00	1	1	1	
5	0000 503 741 00	5	5	5	0,5 - 1,0
6	0000 503 739 00	6	6	6	1,5 - 2,5
7	0000 015 518 03	1	1	1	12 V, A 1, 2,0m
8	0000 015 589 04	1	1	1	12 V / 24 V, Aut., 2,0m
10	0000 505 995 01	1	1	1	
11	-----	-	-	-	
12	-----	-	-	-	
13	-----	-	-	-	
14	0000 506 009 00	1	1	1	
15	0000 506 008 00	1	1	1	Nr. 607
18	0000 015 480 00	1	1	1	(4) 500 mm
19	0000 015 481 00	1	1	1	(5) 470 mm
20	0000 017 153 00	1	1	1	(6) 430 mm
21	0000 018 921 01	1	1	1	12V BSZ 1,0m
22	0000 016 683 02	1	1	1	12/24V, Aut., BSZ, 2,0m

Z09a

Speed control
Drehzahlverstellung
Reglage régime
Ajuste de revoluciones
Comando acceleratore

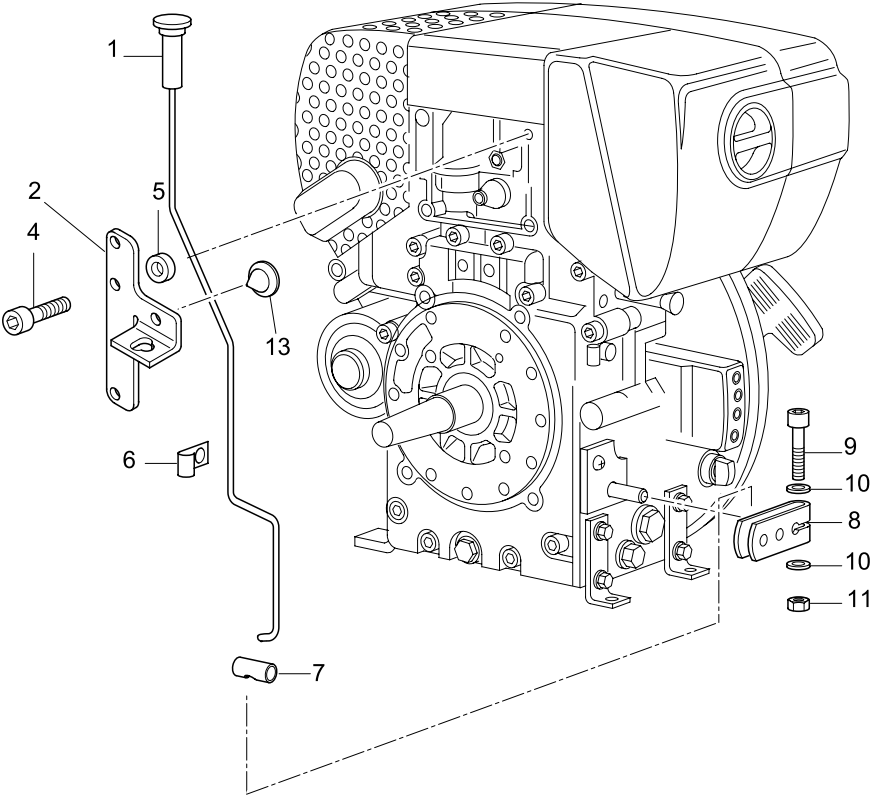
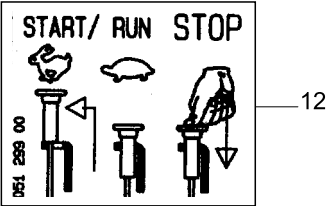


Fig.- No.	HATZ Ident-No.	Qty. Stück			W d / D	Notes Bemerkungen
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 015 751 21	1	1	1		
2	0000 051 411 02	1	1	1		
4	0000 504 629 00	2	2	2		M 6 x 20 DIN 6912 - 8.8 A3C
5	0000 033 546 00	2	2	2		7 x 12 x 8
6	0000 051 246 00	1	1	1		
7	0000 051 185 00	1	1	1		
8	0000 051 177 00	1	1	1		
9	0000 505 119 00	1	1	1		M 5 x 30 DIN 912-8.8 A3C
10	0000 502 163 00	2	2	2		5,3 DIN 125-St A3C
11	0000 500 943 00	1	1	1		M 5 DIN 934-8 A3C
12	0000 051 299 02	1	1	1		
13	0000 504 829 00	1	1	1		

Z09b

Speed control for bowdencable
 Drehzahlverstellung für Bowdenzug
 Reglage regime pour câble bowden
 Ajuste de revoluciones para cable bowden
 Comando acceleratore per bowden

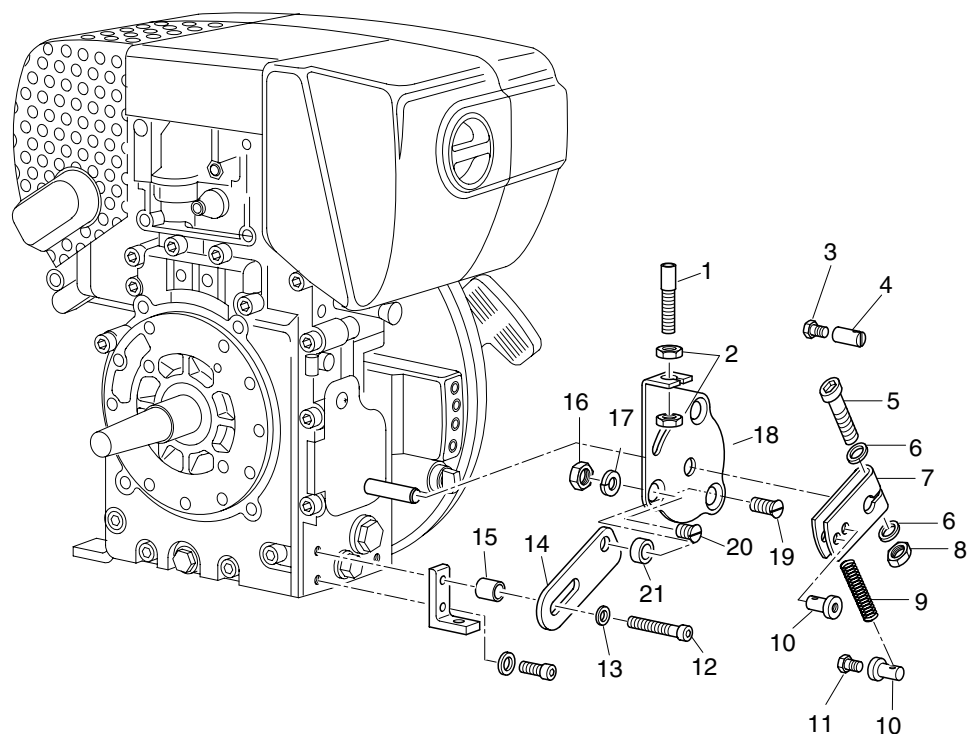


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 051 412 00	1	1	1	1		M 6
2	0000 501 444 00	2	2	2	2		M 6 DIN 934 - 8 A3C
3	0000 500 250 00	1	1	1	1		M 4 x 10 DIN 933-8.8 A3C
4	0000 504 830 00	1	1	1	1		2,2 NR. 1120
5	0000 505 119 00	1	1	1	1		M 5 x 30 DIN 912-8.8 A3C
6	0000 502 163 00	2	2	2	2		5,3 DIN 125-St A3C
7	0000 051 177 00	1	1	1	1		
8	0000 500 943 00	1	1	1	1		M 5 DIN 934-8 A3C
9	0000 504 846 00	0... 1	0... 1	0... 1	0... 1		1,0 x 33mm
9	0000 504 832 00	0... 1	0... 1	0... 1	0... 1		1,8 x 38mm
10	0000 504 831 00	2	2	2	2		2,2 NR. 1450
11	0000 500 250 00	1	1	1	1		M 4 x 10 DIN 933-8.8 A3C
12	0000 502 488 00	1	1	1	1		M 8 X 60 DIN 912-8.8 A3C
13	0000 501 481 00	1	1	1	1		8,4 DIN 125-St A3C
14	0000 051 175 00	1	1	1	1		
15	0000 035 206 00	1	-	1	1		9 x 14 x 20
15	0000 035 997 00	-	1	-	-		8,5 x 13 x 14,5
16	0000 503 283 00	1	1	1	1		VM 6 DIN 980-8 A3C
17	0000 502 085 00	1	1	1	1		8 DIN 128 A3C
18	0000 051 176 10	1	1	1	1		
19	0000 504 239 00	1	1	1	1		M 6 x 20 DIN 7991-10.9 A3C
20	0000 503 808 00	1	1	1	1		M 6 x 10 DIN 7991 -8.8 A3C
21	0000 032 929 00	1	1	1	1		8,2 x 11 x 12

Engine stop device
Motorabstellvorrichtung
Dispositif d'arrêt
Dispositivo de parado
Dispositivo di arresta

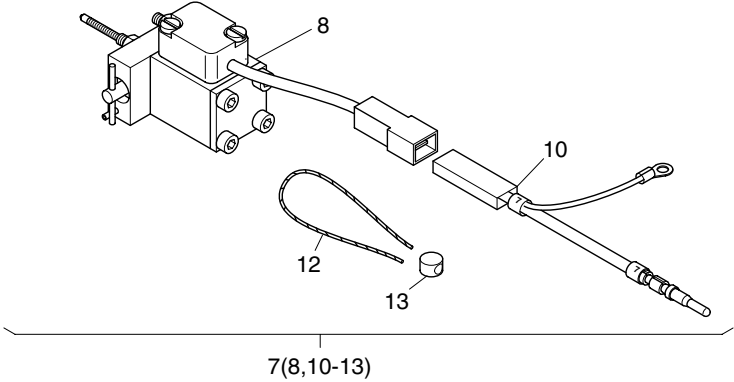
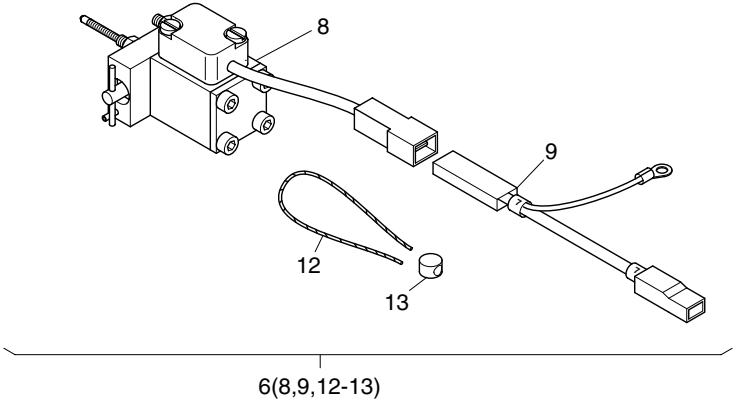
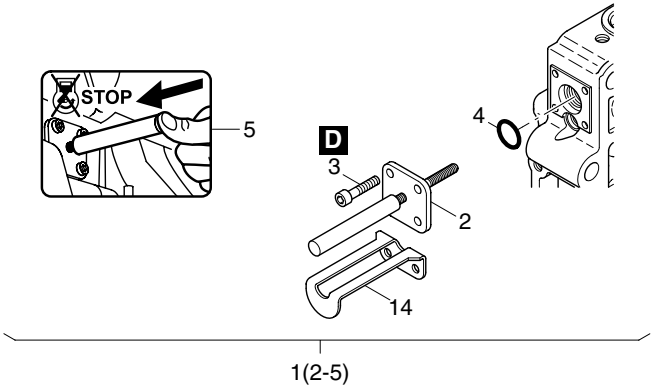


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 017 864 01	1	1	1	
2	-----	-	-	-	
3	0000 504 469 00	4	4	4	M 4 X 16 DIN 912-8.8 A3C TUF
4	0000 503 290 00	1	1	1	9,5 x 2,5
5	0000 052 213 01	1	1	1	Hinweisschild
6	0000 017 860 01	1	1	1	12V
6	0000 017 862 01	1	1	1	24V
7	0000 017 861 01	1	1	1	12V
7	0000 017 863 01	1	1	1	24V
8	-----	-	-	-	
9	0000 015 471 01	1	1	1	
10	0000 015 482 01	1	1	1	
12	0000 400 215 00	1	1	1	0,5 / 0,3 x 200
13	0000 400 214 01	1	1	1	ø8,5 mm ALU
14	0000 053 072 00	1	1	1	

Mount. parts hydr. pump
Anbauteile Hydraulikpumpe
Pièces mont. -pompe hydr.
Piezas mont. bomba hidr.
Patrticolari per montaggion pompa idraulica

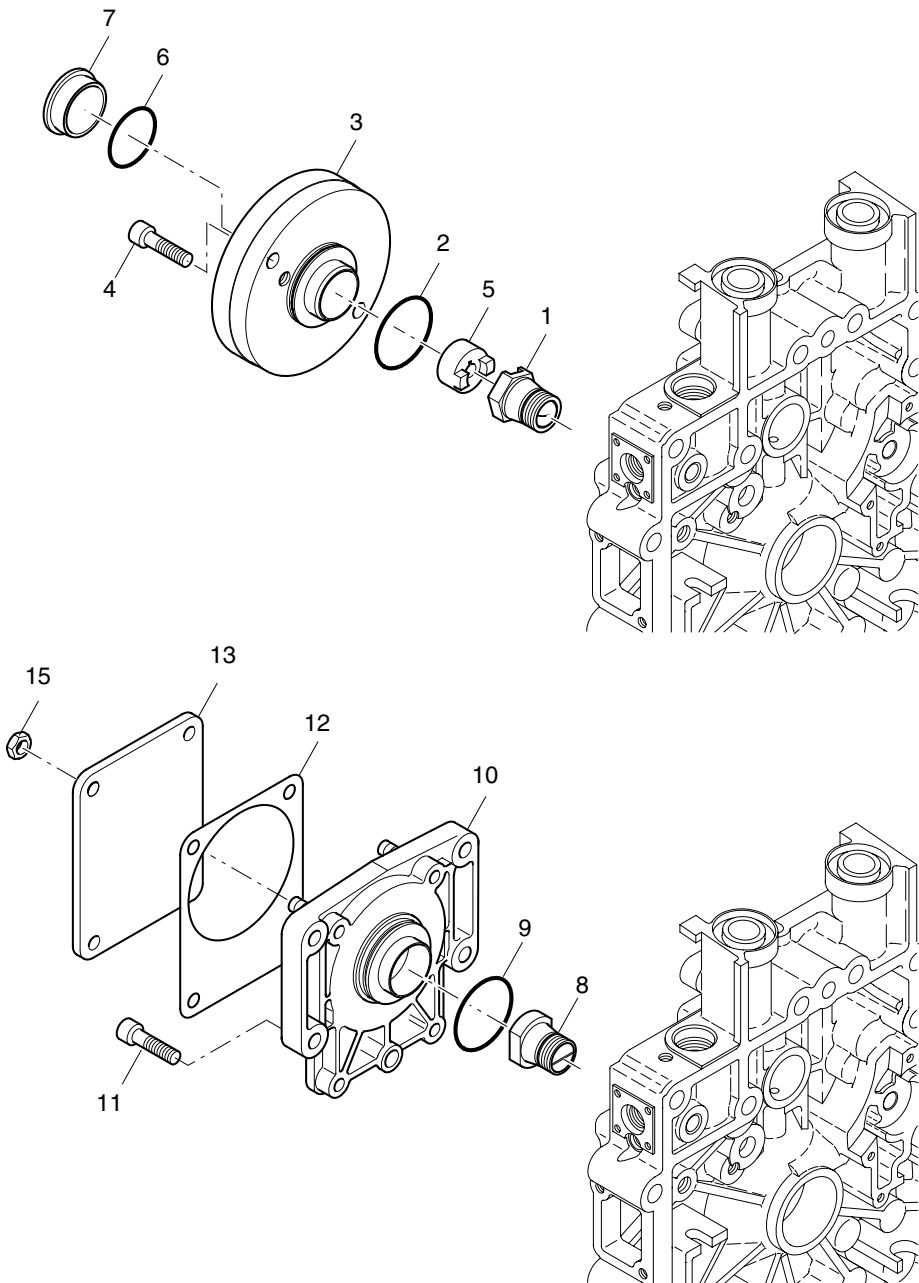


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen	
		1B20 EPA IV	1B27 EPA IV	1B30 EPA IV	
1	0000 015 581 00	1	1	1	
2	0000 504 545 00	1	1	1	44 x 1,5
3	0000 051 150 00	1	1	1	
4	0000 501 759 00	2	2	2	M 8 X 30 DIN 912-8.8 A3C
5	0000 051 147 00	1	1	1	
6	0000 502 882 00	1	1	1	32 x 2,5
7	0000 501 631 01	1	1	1	F 25 ø 31,8
8	0000 015 580 00	1	1	1	
9	0000 504 545 00	1	1	1	44 x 1,5
10	0000 016 648 00	1	1	1	
11	0000 504 943 00	4	4	4	M 8 X 20 DIN 912-8.8TUF-360G
12	0000 035 680 00	1	1	1	
13	0000 037 616 00	1	1	1	
15	0000 503 353 00	4	4	4	M 8 SW 12 A3C

Autom. valve adjuster
Autom. Ventilspielnachsteller
Correcteur automatique du jeu de soupape
Ajuste automatico luz de valvulas
Regolazione automatica valvole

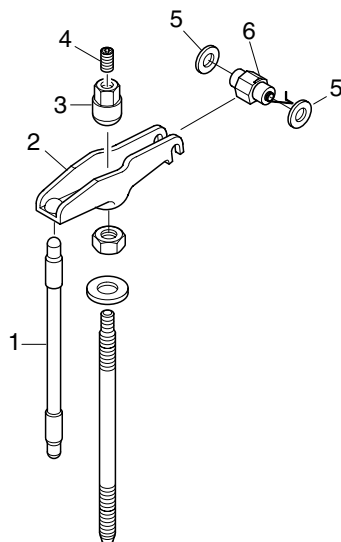


Fig.- No.	HATZ Ident-No.	Qty. Stück	W d / D	Notes Bemerkungen
		1B20	1B27	1B30
		EPA IV	EPA IV	EPA IV
1	0000 013 742 01	2	2	-
1	0000 013 741 01	-	-	2
2	0000 050 509 02	2	2	-
2	0000 052 835 00	-	-	2
3	0000 050 547 00	2	2	2
4	0000 505 131 00	2	2	2
5	0000 052 407 00	0... 4	0... 4	0... 4
5	0000 504 451 00	0... 4	0... 4	0... 4
6	0000 017 760 00	2	2	2
			W2	M 8 X 10 DIN 916-45H 6 x 12 x 1,35 6 x 12 x 1,2 DIN 988

Tamper-proof parts
Bauteilsicherung
Kit plombage
Juego de precintar
Kit sigilli

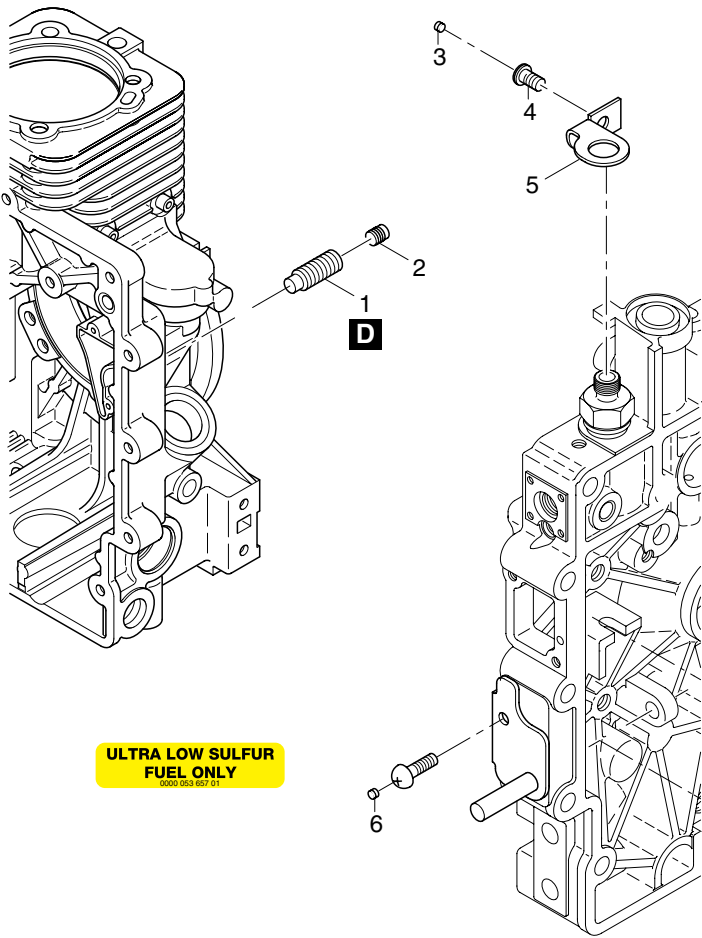


Fig.- No.	HATZ Ident-No.	Qty. Stück				W d / D	Notes Bemerkungen
		1B20 EPA IV	1B20R EPA IV	1B27 EPA IV	1B30 EPA IV		
1	0000 041 506 10	1	1	1	1		
2	0000 043 358 00	0... 1	0... 1	0... 1	0... 1		5
3	0000 041 706 00	1	1	1	1		4,15
4	0000 504 950 00	1	1	1	1		M 6 x 12 DIN 7380-10.9 A3C
5	0000 041 853 01	1	1	1	1		
6	0000 052 015 00	1	1	1	1		
7	0000 053 657 02	1	1	1	1		

A	Austria	2320 Schwechat	Hofmann-Schranz G.m.b.H.	+43 - 1 - 7 07 06 08
A	Austria	4600 Wels	Motor Center Austria GmbH	+43 - 7242 - 4 71 61-0
A	Austria	5020 Salzburg	Ing. R. Schneider	+43 - 662 - 87 23 54
A	Austria	6065 Thaur	Romed Müssigang	+43 - 5223 - 49 28 34
A	Austria	6830 Rankweil	Ländletechnik Schäfer GmbH	+43 - 5522 - 4 50 60
A	Austria	8073 Feldkirchen	Langbauer - Motoren e.U.	+43 - 316 - 71 15 95
A	Austria	9170 Ferlach	Johann Koslitsch	+43 - 4227 - 59 33
AN	Angola	94099 Ruhstorf	HATZ Ruhstorf	+43 8531 319 0
AUS	Australia	2164 Smithfield NSW	HATZ Australia Pty. Ltd.	+61 - 2 - 8788 7999
AZ		1029 BAKU	AS TEXNIKA LLC	+99412 418 0106 562
B	Belgium	3090 OVERIJSE	BIA GROUP NV/SA	+32(0)2 689 28 11
BF	Burkina Faso	Ouagadougou 01	Impex Afrique	+226 - 50 43 37 37
BG	Bulgaria	1000 Sofia	ENERGIA-MARVAKOV GMBH	+359 - 29 62 14 95
BHT	Bhutan	Gongkhar Bumthang	Jigme Norbu Enterprise	+975 - 3 - 63 11 81 or 63 11 70
BR	Brazil	09220-790 SANTO ANDRE - SAO PAULO	DAIFORCE COM DE MAQ. E MOTORES	
LTDA		+55 11 4461 4979		
BRN	Bahrain	646 Nuwaidrat	Gulf Equipment & Technology (G.E.T.)	+973 - 170 00 08
BY	Belarus	223021 Minsk region	PC LTD, FOMAR	+375 - 17 - 507 68 20
CAM	Cameroon	DOUALA	EMEI DIESEL Sarl	00237 33 42 87 51
CDN	Canada	Dartmouth	DAC Industrial Engines Inc.	902/468-3765
CDN	Canada	Mississauga	Marindustrial Ontario Inc.	905-607-5052
CDN	Canada	Moncton	Marindustrial Inc.	506/852-3332
CDN	Canada	Montreal	Marindustrial Inc.	514/342-2748
CDN	Canada	WI 53186-1153 Waukesha	HATZ Diesel of America, Inc.	+1 - 262 - 5 44 02 54
CH	Switzerland	8852 Altendorf	Motorenfabrik HATZ AG	+41 - 55 - 4 51 75 30
CI	Côte d' Ivoire	1691 ABIDJAN 11	PRESTIGE - AUTO	+225 21756555
CN	China	Xiamen	Motorenfabrik Hatz GmbH & Co. KG.	+86 - 592 - 520 45 -28/-38/-78
CO	Columbia	94099 RUHSTORF A.D. ROTT	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531/319-373
CR	Costa Rica	94099 Ruhstorf	Motorenfabrik Hatz GMBH & CO. KG	+49 (0)8531 319 373
CY	Cyprus	4151 Kato Polemidhia - Limassol	L.NEMITSAS LTD	+357 - 25 - 56 92 25
CZ	Czech Republic	37001 Ceske Budejovice	David Servis spol. s.r.o.	+420 - 38 - 7 31 22 69
D	Germany	02730 Ebersbach	Peter Hirche	+49 - (0)3586 - 36 23 79
D	Germany	03130 Spremberg	Lischke Motortechnik	+49 - (0)3563 - 60 50 40
D	Germany	04509 Wiedemar	SERVICEZENTRALE	+49 - (0)34207 - 7 44 0
D	Germany	07957 Langenwetzendorf	LAREMO GmbH	+49 - (0)3 66 25 / 5 52 07
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D	Germany	26215 NEUENKRÜGE	MOTORENINSTANDSETZUNG OLDENBURG GMBH	+49 - (0)441 -

7 20 21/22				
D	Germany	28199 Bremen	Reinhold Linnenbrügger GmbH	+49 - (0)421 - 50 40 48 / 50 40 49
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D	Germany	39124 Magdeburg	Motoreninstandsetzung GmbH	+49 - (0)391 - 28 92 11 0
D	Germany	44143 Dortmund-Wambel	Dressendörfer GmbH & Co. KG	+49 (231) 565563(0)-11
D	Germany	47198 Duisburg	ASS	02841/1733117
D	Germany	48282 Ermsdetten	Herbert Schwarte GmbH	+49 - (0)2572 - 50 02
D	Germany	48653 Coesfeld	Loick Motoren Technik GmbH. & Co. KG.	+49 - (0)2541 - 7 00 44
D	Germany	49716 Meppen/Erms	KEM -KLOSKE ENERGIE- UND MOTORENTECHNIK	+49 5931 9844
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D	Germany	50859 Köln	Peter Müller GmbH	+49 - (0)2234 - 7 91 69
D	Germany	52477 Alsdorf - Mariadorf	B. Hamacher GmbH	+49 - (0)2404 - 9 85 60
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D	Germany	64293 Darmstadt	SERVICEZENTRALE	+49 (0)6151 - 39 7 49 0
D	Germany	67661 Kaiserslautern (Siegelbach)	Emrich GmbH	+49 - (0)6301 - 80 82, 80 83
D	Germany	70188 Stuttgart	Eberle Hald Handel u. Dienstleistungen	+49 (0) 711 480 24 - 0
D	Germany	72555 Metzingen	Eberle Hald Handel u. Dienstleistungen	+49 - (0)7123 - 92 31 0
D	Germany	73492 Rainau-Goldshoefe	Eberle Hald Handel u. Dienstleistungen	+49 (0)7361 9718 02
D	Germany	76139 Karlsruhe	Ehlgötz	+49 - (0)721 - 6 23 54-0
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D	Germany	79331 Teningen - Nimbung	Eberle Hald Handel u. Dienstleistungen	+49 (0)7663 9309 - 0
D	Germany	81477 München	Stefan Lutzenberger	+49 - (0)89 - 78 20 39
D	Germany	83483 Bischofswiesen	Friedrich Dicke GmbH & Co. KG	+49 - (0)8652 - 6 43 06
D	Germany	84381 EMMERSDORF	BAUMASCHINEN & GARTENGERÄTE SAUER	+49 - (0)8564 96 35 603
D	Germany	88074 Meckenbeuren	Eberle Hald Handel u. Dienstleistungen	+49 (0) 7542 9410 - 0
D	Germany	90449 Nürnberg	Guth & Eberle GmbH	+49 - (0)911 - 6 88 79 53
D	Germany	94099 Ruhstorf	Motorenfabrik Hatz GmbH & Co. KG	+49 - (0)8531 - 31 90
D	Germany	94428 EICHENDORF	MARTIN STANGL	09952 9092672
D	Germany	97904 Dorfprozelten	MSG Mainschiffahrts-	+49 - (0)9392 - 93 41-0
DK	Denmark	2640 HEDEHUSENE (TAASTRUP KOMUNE)	Erenfred Pedersen A/S	+45 - 43 71 01
66				
DK	Denmark	6000 Kolding	Erenfred Pedersen A/S	+45 - 76 33 60 60
DK	Denmark	9000 Aalborg	Erenfred Pedersen A/S	+45 - 98 13 77 22
DOM	Dominican Rep.	Santo Domingo	La Antillana Comercial, S.A.	+1 - 809 - 5 65 31 51
DZ	Algeria	Alger	Dieselec S.A.R.L.	+213 23 77 65 68
E	Spain	01013 Vitoria	Talleres Solaf, S.A.	+34 - 945 - 260781

E	Spain	08038 Barcelona	Comercial Aim, S.L.	+34 - 93 - 3393250
E	Spain	15008 A Coruña	Talleres Hércules	+34 - 981 - 261650 / 252935
E	Spain	17469 Fortià (Girona)	Mauricio Xatart Tell	+34 - 972 - 534088
E	Spain	18080 Granada	Comercial Peña Torres	+34 - 958 - 816600
E	Spain	18200 Maracena	Talleres Soriano	+34 - 958 - 410689
E	Spain	23009 Jaén	Comercial Peña Torres, S.A.	+34 - 953 - 28 05 77
E	Spain	28942 Fuenlabrada (Madrid)	Austral Reparaciones y Servicios, S.L.	91 691 80 29
E	Spain	29004 Málaga	Comercial Peña Torres	+34 - 952 - 17 70 72
E	Spain	30500 Molina de Segura	Campos López	+34 - 968 - 386248
E	Spain	31192 Mutilva Alta	Maquinaria y Servicios ECA	+34 - 948 - 24 10 17
E	Spain	35008 El Sebadal	Fuendor	+34 - 928 - 46 53 06
E	Spain	38320 Taco	Fuendor (Repuestos)	+34 - 922 - 65 54 50
E	Spain	38350 Tacoronte	Lujor Maquinaria S.L.	+34 - 922 - 10 10 41
E	Spain	41007 Sevilla	Repuestos Corres	+34 - 954 361866
E	Spain	43206 Reus (Tarragona)	Tractomecanic Maquinaria S.L.	+34 - 977 - 314923
E	Spain	45600 Talavera de la Reina	Talleres Mendez	925 80 13 97
E	Spain	46469 Beniparell (Valencia)	Talleres Rimi	+34 - 96 - 1 21 70 91
E	Spain	47193 La Cisterniga	Zafara	+34 - 983 - 476851 / 225620
E	Spain	50016 Zaragoza	Loma e Hijos, S.L.	+34 - 976 - 575177 / 570809
E	Spain	50171 La Puebla de Alfindén (Zaragoza)	Motores HATZ Espana S.L.U.	+34 - 976 - 10 81 28
EAK	Kenya	00100 Nairobi	First Machineries Ltd.	+254 - 20 - 55 77 86
EC	Ecuador	Guayaquil	HYDRAPNE S. A.	+593(4)2326339
ES	El Salvador	San Salvador	TEMSA	+503 - 2239 8600
ET	Egypt	11331 Cairo	Market Leaders	+20 - 22 - 4 53 07 63, 4 53 09 17
ETH	Ethiopia	94099 RUHSTORF	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531 319 425
EW	Estonia	11612 Tallinn	Estmotor Oü	+372 - 6 52 65 95
F	France	13852 AIX-EN-PROVENCE	I.M.F.	+33 4 - 42 90 30 65
F	France	14123 IFS	BOUVET SARL	+33 - 2 - 31 52 01 47
F	France	14123 IFS	BOUVET SARL	+33 2 - 31 52 01 47
F	France	19360 Malemort	SGR Maintenance	+33 - 5 - 55 86 91 91
F	France	19360 Malemort	SGR MAINTENANCE	+33 5 - 55 86 91 91
F	France	21560 ARC SUR TILLE	Garage REMILLET	+33 3 - 80 37 24 52
F	France	25410 Saint-Vit	DEPANN'TP	+33 3 - 81 87 61 10
F	France	27002 EVREUX Cedex	DEMOLIN	+33 2 - 32 39 07 22
F	France	31300 TOULOUSE	MIDI-DIESEL	+33 - 5 - 61 42 80 11
F	France	31300 TOULOUSE	MIDI-DIESEL	+33 5 - 61 42 80 11
F	France	33704 MERIGNAC	LAPORTE	+33 - 5 - 56 34 20 26
F	France	33704 MERIGNAC	LAPORTE	+33 - 5 - 56 34 44 29
F	France	33704 MERIGNAC	LAPORTE	+33 5 - 56 34 20 26
F	France	34671 BAILLARGUES Cedex 01	L.M.S. (Languedoc Matériel Service)	+33 4 - 67 91 29 39
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	+33 - 2 - 47 28 94 94
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	+33 2 - 47 28 94 94
F	France	37170 Chambray-Les-Tours	Perron & Gay	+33 6-70-30-73-68
F	France	37170 CHAMBRAY-LES-TOURS	Perron & Gay	02-47-28-94-94
F	France	52901 Chaumont	Chaumont Poids Lourds	+33 3-25-71-47-47
F	France	52901 Chaumont Cedex 9	Chaumont Poids Lourds	+33 3 - 25 71 47 47

F	France	52901 Chaumont Cedex 9	Chaumont Poids Lourds	+33 3 25 71 47 47
F	France	56402 AURAY Cedex	PENQUEST	+33 - 2 - 97 24 16 59
F	France	59167 LALLAING	COMOTEQ	+33 - 3 - 27 99 35 23
F	France	67300 Schiltigheim	ALSIA SA	+33 - 3 - 88 33 05 95
F	France	69684 Chassieu Cedex	HATZ-France	+33 - 4 - 78 90 73 25
F	France	76800 SAINTETIENNE DU ROUVRAY	MORISSE-NAYRAT MOTORS	02-32-95-91-63
F	France	78160 Le Perray en Yvelines	SUD-MAT SAS	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray en Yvelines	SUD-MAT S.A.S.	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray-en-Yvelines	SUD-MAT S.A.S.	+33 - 1 - 34 57 85 00
F	France	78310 Le Perray-en-Yvelines LE PERRAY-EN-YVELINES	SUD-MAT S.A.S.	+33 - 1 - 34 57
85 00				
F	France	78703 CONFLANS-STE-HONORINE	DIESEL MARINE	+33 - 1 - 39 72 68 83
F	France	94290 VILLENEUVE LE ROI	S.F.2.A	+33 - 1 - 49 61 30 90
FIN	Finland	01390 Vantaa	Finmotor Oy	+358 - 9 - 8 70 09 70
FJI	Fiji	2164 Smithfield NSW	HATZ Australia Pty. Ltd.	+61 - 2 - 8788 7999
G	Gabon	Libreville	MIAG	+241 5 724435
GB	Great Britain	BL4 OLS Bolton	Seddons Plant	+44 - 1204 - 85 46 00
GB	Great Britain	BS20 7XE Bristol	Rollo UK	+44 1275 377800
GB	Great Britain	CF24 5EL Cardiff	CPS (European) Ltd.	+44 2920 453194
GB	Great Britain	CM9 5FA Essex	Taylor Construction Plant Ltd	+44 (0)1621 850777
GB	Great Britain	CV21 1PB Warkwickshire	BrownPower Eng Ltd	+44 - 1788 - 57 75 75
GB	Great Britain	CV21 3RQ Warks	Seddons Plant Ltd	+44 (0)1788 577575
GB	Great Britain	EX15 2AU Devon	Taylor Construction Plant Ltd	+44 (0)1884 266815
GB	Great Britain	FK16 6AU Perthshire	Young Plant & Equipment	+44 - 1786 - 84 15 98
GB	Great Britain	GL17 0IA Gloucestershire	Titan Industrial Ltd	+44 - 1452 - 83 18 21
GB	Great Britain	KT10 9AJ Surrey	A&P Services (Surrey) Ltd	+44 1372 468315
GB	Great Britain	LE10 3BP Hinckley, Leics.	HATZ Great Britain Ltd.	+44 - 1455 - 62 21 01
GB	Great Britain	LN1 2LR Lincoln	CG Plant Sales	+44 - 1522 - 70 40 14
GB	Great Britain	LS12 5AJ Leeds	Chippindale Plant Ltd	+44 - 113 - 2 63 23 44
GB	Great Britain	LS12 6EP Leeds	W.G. Search Ltd	+44 - 1132 - 79 79 90
GB	Great Britain	LU5 6HF Dunstable	Southern Plant Ltd.	+44 845 304 0001
GB	Great Britain	ME20 6SE Kent	Leach Lewis Plant Ltd.	+44 1622 718118
GB	Great Britain	NE4 7AX Newcastle	John Nixon Ltd.	+44 - 191 - 2 26 06 66
GB	Great Britain	NN11 8QJ Northants	Bryco Group Ltd.	+44 - 1327 - 87 61 66
GB	Great Britain	PL12 6LX Cornwall	AB Services Ltd.	+44 - 1752 - 84 88 20
GB	Great Britain	PO13 0FJ Hampshire	Meetens Industrial Engines	+44 845 6340297
GB	Great Britain	PR4 QJA Lancashire	Meetens Industrial Engines	01772 691604
GB	Great Britain	RH19 2HU West Sussex	Hydraulic Plant Services Ltd.	+44 1343 327300
GB	Great Britain	SN8 2RN Wiltshire	T.H. White	+44 - 1672 - 51 23 28
GB	Great Britain	ST4 3NX Stoke on Trent	Seddons Plant Ltd.	+44 - 1782 - 59 34 44
GB	Great Britain	TN24 8DH Kent	Lister Wilder Ltd	+44 (0)1233 619290
GB	Great Britain	TO14 9AE Devon	Sleeman & Hawken Ltd.	+44 1626 778266
GB	Great Britain	TS18 2PF Stockton	John Nixon Ltd.	+44 - 1642 - 67 26 94
GCA	Guatemala	Guatemala, Ciudad	Técnico Mercantil TEMSAS.A.	+ 502 - 2334 3484
GH	Ghana	Accra - North	Agria Machinery	+233 302 222 169
GN	Guinea	Conakry	IDRISSA DIOP	+224 30 47 80 80

GR	Greece	11853 Athens	MAVROGIANNAKIS S.A.	+30 210 3461762
GUA	Guadeloupe	97176 Abymes Cedex	Assistance 97 Guadeloupe	+590 - 590 47 09 90
GUY	Guyana	94099 Ruhstorf	Motorenfabrik Hatz GMBH & CO. KG	+49 (0)8531 319 373
H	Hungary	1165 Budapest	Benaco	+36 - 1 - 4 07 37 34
HK	Hong Kong	Xiamen	Motorenfabrik Hatz GmbH. & Co. KG.	+86 - 592 - 520 45 -28/-38/-78
HN	Honduras	12101 Comayaguela - Tegucigalpa, D.C.	Corporación Comercial, S.A. de C.V.	+504 - 222 0576, +504-2237-5195
HR	Croatia	10000 Zagreb Hrvatska	Diesel Motori d.o.o.	+385 - 1 - 3 46 35 18, 3 46 26 69
I	Italy	00133 Roma	Eros Antonelli S.N.C.	+39 - 06 - 72 65 02 60
I	Italy	04014 Borgo Vodice (LT)	Dorati Luciano	+39 - 0773 - 85 01 09
I	Italy	05100 Terni	Lamperini Services	+39 - 0744 - 30 62 10
I	Italy	06061 Castiglione del Lago	Della Giovampaola Danilo	+39 - 075 - 96 52 433
I	Italy	10138 Torino	Centro Ricambio	+39 - 011 - 4 55 11 81/ 4 55 12 11
I	Italy	12030 Faule (Cn)	Multidiesel di Barge Ilario	+39 - 338 - 7 19 94 09
I	Italy	14056 Boglietto di Costigliole d'Asti AT	Barbero Andrea	+39 - 0141 - 96 82 93
I	Italy	16100 Genova	Bruzzone Enzo	+39 - 010 - 3 73 93 96
I	Italy	20090 CESANO BOSCONI - MILANO (MI)	COMPAGNIA TECNICA MOTORI S.P.A.	
+39-02-45058255				
I	Italy	21040 Origgio (VA)	C.M.R. s.n.c. di Bianchi Roberto & C.	+39 - 02 - 96 73 20 62
I	Italy	22046 Erba CO	Miotto Luciano	+39 - 031 - 64 16 73
I	Italy	24050 Orio al Serio BG	Marconi & Caldara	+39 - 035 - 31 25 76 / 077 04 35
I	Italy	25021 Bagnolo Mella (Bs)	Officina Meccanica	+39 - 030 - 68 21 441
I	Italy	29017 Fiorenzuola d'Arda PC	Arduini Luigi di Arduini Armando	+39 - 0523 - 98 26 39
I	Italy	31057 Silea (Tv)	Trattoricambi sas	+39 - 0422 - 36 12 31
I	Italy	33010 Feletto Umberto Tavagnacco Ud.	Ezio Fiorin Eredi di Alberto Fiorin & C.	+39 - 0432 - 57 30 76
I	Italy	33078 San Vito al Tagliamento (PN)	Officina Venaruzzo Antonio	+39 - 0434 - 87 63 77
I	Italy	34015 Muggia TS	Volpi Tecno Energia SRL	+39 - 040 - 23 17 15
I	Italy	35030 Vo	Giuseppe Marcolongo	+39 - 049 - 9 94 06 76
I	Italy	36060 Romano d'ezzelino (VI)	Parolin Enzo	+39 - 0424 - 3 09 75
I	Italy	38010 S. Michele all'Adige TN	Campese S.N.C.	+39 - 0461 - 65 01 69
I	Italy	39100 Bolzano	Officina D'Ambrosio	+39 - 0471 - 20 42 00
I	Italy	40060 Trebbio Di Reno (BO)	Venturoli Lauro	+39 - 051 - 70 02 41
I	Italy	40132 BOLOGNA (BO)	MARCHESI LUCIANO DI	+39-051 403599
I	Italy	41030 BOMPORTO	HATZ ITALIA S.R.L. UNIPERSONALE	+39 - 059 - 25 41 29
I	Italy	41126 Modena (MO)	Centro Ricambi	+39 - 059 - 82 62 14
I	Italy	43100 Parma	Arduini Franco e Figlio S.N.C.	+39 - 0521 - 48 75 66
I	Italy	44043 Marzabotto BO	Lolli F.C.	+39 - 051 - 93 24 41
I	Italy	47023 Cesena (FO)	Domeniconi Egisto Romano & C. S.N.C.	+39 - 0547 - 32 55 13
I	Italy	50013 S.Donnino - Campi Bisenzio (FI)	Interdiesel S.r.l.	+39-055-7 32
74 43				
I	Italy	50053 Empoli (FI)	O.R.M.A. di Niccolai Dino e	+39 - 0571 - 8 03 04
I	Italy	60035 Jesi AN	Cercaci Officina Meccanica	+39 - 0731 - 20 50 46
I	Italy	66020 S. Giovanni Teatino (CH)	CO. GAL. CO. S.R.L.	+39 - 085 - 44 600 55
I	Italy	70123 Bari	Morettauto S.R.L.	+39 - 080 - 50 585 60
I	Italy	71016 San Severo FG	Ianzano F. LLI Raffaele e Luigi	+39 - 0882 - 33 14 18
I	Italy	73020 Martignano (LE)	Coriano Tommaso Officina Meccanica	+39 - 0832 - 80 10 08
I	Italy	74015 Martina Franca (TA)	CANNELLA DONATO	+39 380 3635452

I	Italy	80026 Casoria (NA)	MOVIMAC S.R.L.	+39 - 081 - 7 59 42 76, 7 59 08 00
I	Italy	84069 Roccadaspide (SA)	Siorza Marcello	+39 - 0828 - 94 18 34
I	Italy	85043 Latronico PZ	Falabella Egidio	+39 - 0973 - 85 81 41
I	Italy	88074 Crotone	R.A.I.M. S.A.S.	+39 - 0962 - 2 28 69
I	Italy	95131 Catania	Coco Gaetano di C. Mario e	+39 - 095 - 53 96 50
I	Italy	97100 Ragusa (RG)	Ricca S.R.L.	+39 - 0932 - 66 74 00
I	Italy	98071 Capo d'Orlando ME	Motagrind S.D.F. di Mangano & Scarvaci	+39 - 0941 - 90 19 59
IL	Israel	81100 Yavne, Israel	Shatal Engineering Ltd.	+972 - 8 - 9 32 02 20
IND	India	110008 New Delhi	SKL (India) Pvt. Ltd.	+91 - 11 - 25896075
IND	India	400072 Mumbai	SKL (India) Pvt. Ltd.	+91 - 22 - 28 47 66 49
IQ		94099 Ruhstorf	Motorenfabrik Hatz GmbH & Co.KG	+49 8531 319 306
IR	Iran	Eheran	Mr. B. Amyari	+98 - 9123152982
IRL	Ireland	BT36 4BX Mallusk	T.B.F. Thompson	+44 - 2890 - 84 83 71
IRL	Ireland	BT51 5JZ Coleraine	T.B.F. Thompson	+44 - 28 - 29 55 83 53
IRL	Ireland	Dublin 22	D.E. Power Solutions	+353 4018844
IS	Iceland	110 Reykjavik	Tækjasalan ehf.	+35-4-5672520
J	Japan	103-0023 Tokyo	Tominaga & Co., Ltd	+81 - 3 - 36 39 - 53 11
JOR	Jordan	11118 Amman	Al Ghanem	+962 - 6 - 4 39 51 55
KAZ	Kazakhstan	007018 Ust-Kamenogorsk	EngineService	
KAZ	Kazakhstan	010000 Astana	EngineService	+7(7172) 73 80 73
KAZ	Kazakhstan	050052 Almaty	Engine Service	+7 - 727 - 3 41 01 10
KAZ	Kazakhstan	050062 Almati	EngineService	+7 (727) 321-83-31
KH		768441 SINGAPORE	Please contact	
KSA	Saudi Arabia	21462 Jeddah	Electrical Work & Maintenance	+966 - 2 - 6 91 66 55
KWT	Kuwait	Kuwait	Sabah International	+965 - 4 81 82 43
LT	Lithuania	52367 Kaunas	PLLC MASTERMANN	+370 - 37 - 45 31 55
LU		3090 OVERIJSE	BIA NV/SA	+32(0)2 689 28 11
LV	Latvia	1035 Riga	KONO Ltd.	+371 - 67 - 14 94 25
MA	Morocco	MA-Casablanca	SONACOM	+212 - 5 - 22 24 97 00
MAL	Malaysia	47100 Puchong	Autorex Engineering & Trading	+603 - 80 61 06 68
MAT	Martinique	97232 Le Lamentin	Assistance 97	+596 - 5 96 50 30 00
MAW	Malawi	3 Blantyre	Engineering and Foundry	+2651 - 671241/672028
MEX	Mexico	53186-1153 WAUKESHA	HATZ DIESEL OF AMERICA INC.	+1 262 544 0254
MEX	Mexico	C.P. 66477 San Nicolás de los Garza	Maqro, S.A. DE CV.	011 52 81 31 20 00
MM		11041 Yangon	SINGTECH GLOBAL ENGINEERING & TRADING CO., LTD	+95 954 14
873				
MOC	Mozambique	Maputo	ABC Trading Lda.	+258 - 21 - 30 92 79
MV	Maldives	Male	MA Services Pvt. Ltd.	+960 - 3 31 09 35
N	Norway	5962 Bjordal	Østerbø Maskin AS	+47 - 48161718
NAM	Namibia	Windhoek	ConServ Engineering Services C.C.	+264 - 61 - 23 63 36
NL	Netherlands	3311 JC Dordrecht	Machiniefabriek Dolderman BV	+31 - 78 - 6 13 82 77
NL	Netherlands	4104 AE Culemborg	HATZ Nederland BV	+31 - 345 - 47 00 40
NL	Netherlands	8013 NE Zwolle	Janal Engineering BV	+31 - 38 - 4 60 22 00
NL	Netherlands	9301 ZV Roden	Ausma Motorenrevisie B.V.	+31 - 50 - 5 01 60 28
NZ	New Zealand	Auckland, New Zealand	Youngman, Richardson and Co. Ltd.	+64 - 9 - 4 43 24 36
OM	Oman	Al-Mawaleh South, Al-Seeb	INMA CO. OMAN LLC	00968 24552455

P	Portugal	2130-111 Benavente - Lisboa	Pinto & Cruz – Motores e Equipamentos, S.A.	+351 21 7 11 21 00
P	Portugal	4100-801 Porto Codex	Pinto & Cruz - Motores e Equipamentos S.A.	+351/707 225 500
PA	Panama	Panamá 5	Dimar, S.A.	+507 - 2 29 14 44
PE	Peru	Lima 03	Or Maquinarias S.A.C.	+51 – 1 – 479/8170, 8265
PL	Poland	03-046 Warszawa	Full Sp. Z o.o.	+48 - 22 - 8 19 40 40
PL	Poland	41-803 Zabrze	Wobis	+48 - 32 - 2 75 32 26
PL	Poland	55-010 Zerniki Wroclawskieawskie	Maszyzny Budowlane "JAS"	+48 - 89 - 5 34 59 74
PL	Poland	84-122 Zelaznowo	E.M.A. Hochschulz S.C.	+48 - 58 - 6 73 60 80
PL	Poland	85-549 Bydgoszcz	Technet S.C.	+48 - 52 - 3 70 70 90
PL	Poland	95-002 Smardzew	Broker - Servis	+48 - 42 - 7177868; 7177883; 7177895
PNG	Papua New G.	2164 Smithfield NSW	please contact:	+61 - 2 - 8788 7999
PRY		FERNANDO DE LA MORA	BALLASCH INTERNACIONAL SACI	+595 21 674 031/2
Q	Qatar	Doha	INMA Company - Qatar L.L.C.	+974 - 4 - 43 00 88
RA	Argentina	S 2252 BMR Galvez (Santa Fé)	Bounous Hnos S.A.	+54 - 3404 - 48 16 10
RB	Botswana	Gaborone	Orbit Pumps (Botswana) (Pty.) Ltd.	+267 - 397 49 26
RB	Botswana	Gaborone	Franklin Electric	+00 267 397 4926
RC	Taiwan	768441 Singapore	EquipSource Pte Ltd	+65 - 67 59 22 96
RCB	Congo	3689 Kinshasa-Gombe	Bureau Technique BIA sprl	+243 - 81 - 1 60 23 95
RCH	Chile	Santiago	Tecnica de Maquinarias Ltda.	+56 - 22 - 7 82 92 75
REU	Réunion	94099 RUHSTORF	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531 319 425
RI	Indonesia	50141 Semarang	PT URIP GUMULYA	+62 024 762 1195
RIM	Mauritania	Nouakchott	SODEQ S.A.	+222 - 5 25 47 30
RL	Lebanon	1102-2070 Beirut	Nagib Baki & Sons	+961 - 1 - 36 52 62
RM	Madagascar	Tananarive	Société Ameca	+261 - 20 - 2 22 30 16
RMM	Mali	Bamako	Dupé S.A.	+223 - 20 21 52 30
RO	Romania	012051 Bucharest	Fland Gruppe srl.	+40 - 21 - 3 36 11 30/ -50
ROK	Korea	150-972 Seoul-Youngdeungpo-Gu	U-YOUNG INDUSTRIAL CO.LTD.	+82 2 549 0611
ROU	Uruguay	12900 Montevideo	Bromberg y Cia. S.A.	+598 - 2 - 3 55 77 70
RP	Philippines	Quezon City	M & W Distributing Co. Inc.	+63 - 2 - 3 71 19 36
RS	Serbia	11120 Beograd	IWE d.o.o.	+381 - 11 2 76 65 65
RT	Togo	94099 RUHSTORF	MOTORENFABRIK HATZ GMBH & CO.KG	+49 8531 319 425
RU	Burundi	Bujumbura	Metalubia	+257 - 22 - 23 30
RUS	Russia	129336 Moscow	Stend Ltd.	+7 - 495 - 4 74 60 31
RUS	Russia	193315 Sankt-Petersburg	MKSM-Servis Spb	+7 - 812 - 309 03 80
RUS	Russia	346405 Nowotscherkassk	AUTOENERGIESYSTEME	+7 - 8635 - 23 42 91
RUS	Russia	390028 Ryazan	PromDizel Limited Corp.	+7 - 4912 -33 24 45
RUS	Russia	414040 Astrakhan	AstraDieselService	+7 (8512) 31-75-35, 31-75-45
RUS	Russia	600026 Vladimir	EuroDiesel-Rus Ltd.	(4922) 37-60-45
RUS	Russia	628404 Surgut	MKSM - Servis Surgut	+7 - 3462 - 67 33 06
RUS	Russia	640007 Kurgan	Ural-Hatz-Diesel	+7 - 3522 - 54 54 50
S	Sweden	13650 Haninge	Swedmotor AB	+46 - 8 - 50 01 21 40
S	Sweden	23841 Oxie	Limhamns Industriservice AB	+46 - 040 306102
S	Sweden	393 65 Kalmar	Maskinteknik i Kalmar AB	+46 0480 478850
S	Sweden	417 55 Göteborg	Blombergs Diesel & Motor AB	+46 031 221220
S	Sweden	574 35 Vetlanda	Höglandets Maskin Skog Entreprenad AB	+46 0383 763034
S	Sweden	59017 Mantorp	Allservice Mantorp	+46 - 070 5954300

S	Sweden	623 77 Klintehamn	Cedergrens Mek. Verkstad AB	+46 0498 241720
S	Sweden	77497 Fors	Tekzone AB	+46 070 6282277
S	Sweden	782 75 Malungsfors	Reijo maskinservice AB	+46 0280 40328
S	Sweden	836 94 As	Nordisk teknik AB	+46 070 3105070
S	Sweden	863 33 Sundsbruk	Matfors Truck service AB	+46 070 5702524
S	Sweden	922 31 Vindeln	Vindelns maskinservice AB	+46 070 6077812
S	Sweden	931 70 Skelleftea	Skellettea El & Diesel AB	+46 0910 711111
S	Sweden	942 36 Älvsbyn	All Mecanservice AB	+46 0929 57012
S	Sweden	98138 Kiruna	Wist Last & Buss Ab	+46 - 980/398400
S	Sweden	98238 Gällivare	Holmgrens Truck & Motor AB	+46 - 970 - 74540
SGP	Singapore	768441 Singapore	EquipSource Pte Ltd	+65 - 67 59 22 96
SK	Slavakia	91501 Nové Mesto n. Váhom	RAMIRENT spol. s r.o.	+421 - 032 - 77 15 49 7
SLO	Slovenia	2000 Maribor	VZDRZEVANJE NEJC, D.O.O.	+386 - 2 - 420 11 98
SME	Suriname	94099 Ruhstorf	Motorenfabrik Hatz GMBH & CO. KG	+49 (0)8531 319 373
SN	Senegal	Dakar	MATFORCE	+221 - 33 864 95 00
SYR	Syria	- Damascus	Electromechanical Equipment	+963 - 11 - 2 21 39 55 / 2 21 56 78
TAH	Tahiti	98701 Arue	Ets. Dieumegard	+689 - 6 89 42 32 38
THA	Thailand	768441 Singapore	Please contact our agent in Singapore	+65 - 67 59 22 96
TN	Tunesia	1001 Tunis	S.I.A Ben Djemaa & Cie	+216 - 71 24 25 66
TN	Tunesia	3000 Sfax	S.I.A Ben Djemaa & Cie	+216 - 74 40 84 09
TR	Turkey	34852 Maltepe Istanbul Turkey	Efes Makina Sanayi ve dis Ticaret Ltd. STI	+90 - 216 - 3 67 35 75
TT	Trinidad and Tob.	San Fernando	Electro Diesel & Co. Ltd.	+1-868 657 8733
UA	Ukraine	03313 Kiev	ERA - Engineering Remake Aggregate	+380 - 44 - 5 99 16 44
UAE	United Arab. Em.	Dubai	INMA	+971 - 4 - 2 85 72 72
USA	United States	80010 Aurora	EC Power Systems	303/360-7110
USA	United States	84120 Salt Lake City	EC Power Systems	801/886-1424
USA	United States	Boise	EC Power Systems	208/342-6541
USA	United States	WI 53186-1153 Waukesha	HATZ Diesel of America, Inc.	+1 - 262-544-0254
UZB	Uzbekistan	100011 Tashkent	Kartash Profservice	+998 - 7 11 203090
VN	Vietnam	Di An, Binh Duong	DZI AN MANUFACTURING PLC	+84 90 877 8466
WAL	Sierra Leone	Freetown	cerro automotive	+232 - 77 - 23 21 72
WAN	Nigeria	- Lagos	A1 Multi Services Limited	+234 803 7 123 006
YAR	Rep. of Yemen	Sana'a	Al Mahtadi Sons Company Ltd.	+967 1 22 25 29
YV	Venezuela	Caracas	Maquinarias Larraq, C.A.	+58- 212 - 9 44 16 31 / 9 44 56 29
ZA	South Africa	1609 Edenvale	Hatz Diesel (S.A.) Pty. Ltd.	+27 - 11 - 5 74 09 00
ZA	South Africa	Bloemfontein	CPR Maintenance CC	+27 - (0)51 - 4 47 96 18
ZA	South Africa	Capetown	Compaction & Industrial Equipment C.C.	+27 - (0)21 - 9 49 77 67
ZA	South Africa	East London	Construction Equipment Supplies	+27 (0)43 748 4077
ZA	South Africa	Port Elizabeth	S & K Diesels cc	+27 - 41 - 5 83 37 80
ZW	Zimbabwe	Harare	R & S Diesel Pro Services (PVT) Ltd.	+263 - 4 44 78 69 / 90 / 99

Serial-code modification list
Serien-Nr.-Änderungen
Modification des Nos de serien
Modificación de los Nos de serie
Modifica dei codici

IMT-No.

1B20 (Serial No. 100 xx)

1B20.10 →.11 97.566
 1B20.11 →.12 97.567
 1B20.12 →.13 97.568
 1B20.13 →.14 97.569
 1B20.14 →.15 98.573
 1B20.15 →.16 98.574
 1B20.16 →.17 98.575
 1B20.17 →.18 98.576
 1B20.18 →.19 98.577
 1B20.19 →.20 98.580
 1B20.20 →.21 99.588
 1B20.21 →.22 00.590
 1B20.22 →.23 00.594
 1B20.23 →.24 00.598
 1B20.24 →.25 00.601
 1B20.25 →.26 01.613
 1B20.26 →.27 02.617
 1B20.27 →.28 02.619
 1B20.28 →.29 05.641
 1B20.29 →.30 05.650
 1B20.30 →.31 07.667
 1B20.31 →.32 09.684
 1B20.32 →.33 13.709
 1B20.33 →.34 13.712

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1B20R.10→.11 09.684
 1B20R.11→.12 13.709
 1B20R.12→.13 13.712

1B27 (Serial No. 125 xx)

1B27.10 →.11 09.685
 1B27.11 →.12 13.709
 1B27.12 →.13 13.712
 1B27.13 →.14 15.720

1B30 (Serial No. 101 xx)

1B30.10 →.11 98.573
 1B30.11 →.12 98.575
 1B30.12 →.13 98.576
 1B30.13 →.14 98.577
 1B30.14 →.15 98.580
 1B30.15 →.16 99.585
 1B30.16 →.17 99.586
 1B30.17 →.18 99.589
 1B30.18 →.19 00.598
 1B30.19 →.20 00.606
 1B30.20 →.21 00.607
 1B30.21 →.22 01.613
 1B30.22 →.23 02.617
 1B30.23 →.24 05.641
 1B30.24 →.25 05.651
 1B30.25 →.26 09.683
 1B30.26 →.27 10.690
 1B30.27 →.28 13.709
 1B30.28 →.29 13.712

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